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Analysis of Acid Precipitation Samples Collected by State Agencies January-December 1987

Global Geochemistry Corp., Canoga Park, CA

Prepared for

Environmental Protection Agency
Research Triangle Park, NC

Feb 89

U.S. Department of Commerce
National Technical Information Service
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The report presents the analytical data from the 31 acid precipitation collection sites in the State Operated Network. Samples are collected weekly in plastic bag liners and shipped in 500 mL polyethylene bottles to Global Geochemistry Corp. (the central laboratory for the network). The report contains maps showing the location of each site, plots of analytical data, tables of all field and analytical data, plots comparing field and laboratory pH and conductivity, and information on data quality.

Samples are analyzed for pH, strong acid, conductivity, fluoride, chloride, nitrite, phosphate, bromide, nitrate, sulfate, ammonium, sodium, potassium, calcium and magnesium.

The central laboratory renders technical assistance to the collection sites on problems concerning pH and conductivity. Each of the 11 participating state agencies receives analytical reports for the samples analyzed the previous month. Analyte concentration data are sent to the Acid Deposition System (ADS) for inclusion in the national acid precipitation data base.

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JANUARY 1987 - DECEMBER 1987

By

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EPA Contract 68-02-4454

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TABLE OF CONTENTS

ABSTRACT....................iii

1. INTRODUCTION....................1
   - Description of network
   - Site information
   - Analytical methods
   - Field site analytical surveys

2 REPORTS OF DATA BY STATE AND SITE....................7
   - Alabama....................10
     - ALMOB....................14
     - ALTAL....................26
   - Delaware....................38
     - DEGEO....................42
     - DELUM....................54
   - Georgia....................66
     - GABFG....................74
     - GADAW....................86
     - GADUF....................98
     - GAHIW....................106
     - GASUM....................118
     - GAWAY....................130
   - Kentucky....................142
     - KYGRA....................146
     - KYMAM....................158
   - Louisiana....................170
     - LACAR....................175
     - LACHS....................183
     - LAROS....................195
   - Maryland....................208
     - MDRGP....................212
     - MD3EC....................224
   - Mississippi....................236
     - MSUNI....................239
   - South Carolina....................252
     - SCCAP....................258
     - SCCON....................270
     - SCDEL....................282
     - SCLON....................294
   - South Dakota....................306
     - SDAPR....................311
     - SDBGP....................323
     - SDBPR....................327
     - SDCUS....................339
   - Tennessee....................344
     - TNCEN....................347
   - West Virginia....................360
     - WVAPC....................364
     - WVGRN....................368
     - WVNEW....................372
     - WVWAR....................376

TABLE OF CONTENTS (CONTINUED)

3. SUMMARY OF ANALYTICAL DATA BY SITE....................381
    Frequency of occurrence for each analyte..............382
    Precipitation weighted mean data for each analyte.....397

4. COMPARISON OF FIELD AND LABORATORY MEASUREMENTS............399

APPENDIX A - QUALITY CONTROL INFORMATION

1.0 INTRODUCTION

As the central laboratory for the State-Operated Network, Global Geochemistry Corporation (GGC) analyzes acid precipitation samples for pH strong acid, conductivity, fluoride, chloride, nitrite, phosphate, bromide, nitrate, sulfate, ammonium, sodium, potassium, calcium, and magnesium.

The central laboratory provides the collection sites with plastic bucket liners, 500 mL sample bottles, field data sheets, pH and conductivity solutions, and other supplies incidental to collecting and shipping a collected rain sample. The central laboratory also provides technical assistance whenever it is requested by the field sites. This assistance has consisted mostly of advice on field pH and conductivity measurement procedures and equipment.

This report contains maps showing the location of each site, plots of analytical data during the time period, tables of all field and analytical data, a comparison of analyte concentration at deficient sites, precipitation weighted data for each site, plots comparing field and laboratory pH and conductivity, and quality control tables and plots.

Each participating state agency and sponsoring EPA Region receives an analytical report for the previous month's analyses.

Data is summarized on magnetic tape for inclusion in the yearly report of the national acid rain data base, and Acid Deposition System (ADS), funded by EPA.

NETWORK INFORMATION

During most of 1987, there were 31 operational sites in the EPA state network. SDCUS was the only site added in 1987. Figure 1.0-1 is a map of the United States which indicates the location of each sampling site. Information on each site is presented in Table 1.0-1.

The sites in this network all do weekly precipitation collection using a wet/dry bucket collector. Early on in the contract (1983) a few dry samples were analyzed as well as the wet samples, but after a month or so of operation, only wet samples were analyzed. All samples except those of the MDHUR site were shipped unrefrigerated to the laboratory. Prior to AUG 84, samples were shipped in the collection buckets themselves. Since AUG 84, samples have been shipped in sealed 500 ml bottles.

ANALYTICAL METHODS

The laboratory analytical methods used in this contract are presented below:

	ANALYTICAL	
DESCRIPTION	**METHOD**	**TYPE**
pH	EPA Method 150.1	pH
Conductivity	EPA Method 120.1	Conductivity
Acidity	Global Geochemistry	Gran Titration
Cl, PO4, NO3, SO4	Ion Chromatography	Dionex
NH4	EPA Method 350.1	Colorimetric
Na, K, Ca, Mg	EPA AA Methods 273.1, 258.1, 215.1, 242.1	Atomic Absorption for Ca, Mg Flame Emission for Na, K.

Figure 1.0−1
EPA State Operated Rain Network

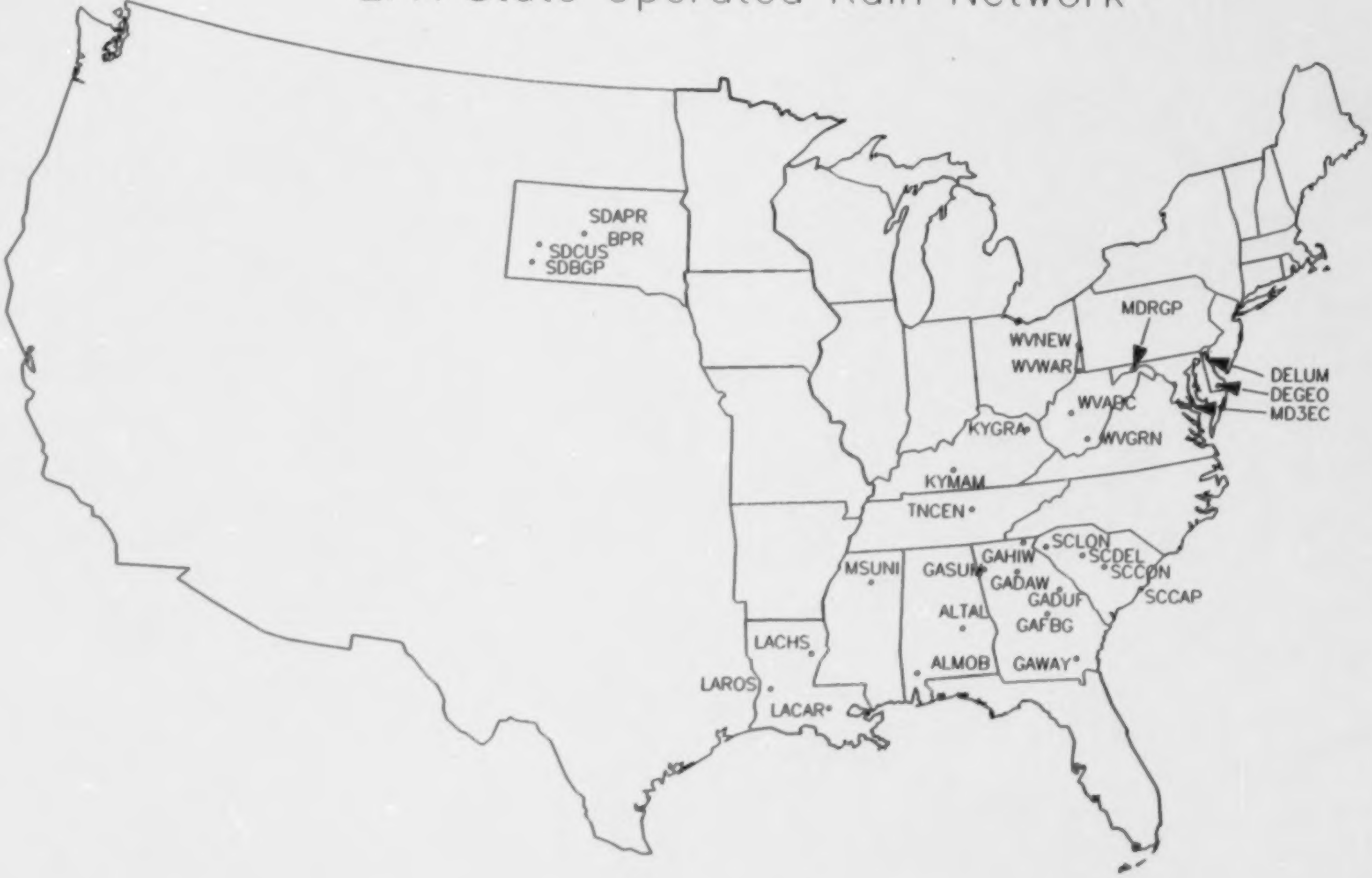

SDAPR
BPR
SDCUS
SDBGP
MDRGP
WVNEW
WVWAR
DELUM
DEGEO
MD3EC
WVABC
KYGRA
WVGRN
KYMAM
TNCEN
SCLON
SCDEL
SCCON
GAHIW
MSUNI
GASUN
GADAW
GADUF
SCCAP
ALTAL
GAFBG
LACHS
ALMOB
GAWAY
LAROS
LACAR

TABLE 1.0-1

EPA STATE ACID PRECIPITATION NETWORK SITE INFORMATION

SITE	SITE NAME SITE#	NEAREST CITY	COUNTY	STATE CONTACT (TEL#)	LATITUDE LONGITUDE	ELEVATION(FT)
ALMOB	Mobile 0101	Mobile	Mobile	Ken Barrett (205-271-7861)	30°40'07" 88°13'13"	25
ALTAL	Tallassee 0102	Tallassee	Elmore	"	32°34'03" 85°55'54"	502
DEGEO	Georgetown 0801	Georgetown	Sussex	Joe Kliment (302-323-4569)	38°37' 75°27'	15
DELUM	Lum's Pond 0802	Newark	New Castle	"	39°34' 75°43.5'	65
GADAW	Dawsonville 1104	Gainseville	Dawson	Chris Redmond (404-656-5936)	34°20'00" 83°50'00"	1075
GABFG	B.F. Grant Forest 1103	Eatonton	Putnam		33°24'53" 83°31'15"	564
GADUF	McDuffie Country 1105	Augusta	McDuffie		33°53'24" 85°40'34"	433
GAHIW	Hiawassee 1101	Hiawassee	Towns	"	33°53'24" 83°40'34"	2146
GASUM	Summerville 1102	Summerville	Chattooga	"	34°28'21" 85°24'27"	663
GAWAY	Waycross Forest 1106	Waycross	Ware		31°15'00" 82°22'00"	135
KYGRA	Grayson Lake 1801	Grayson	Carter	Jerry Suddeth (502-564-3382)	38°14'[illegible]" 82°59'00"	603
KYMAM	Mammoth Cave 1802	Brownsville	Edmonson	"	37°13'00" 86°04'00"	720
LACAR	Carville 1903	Carville	Iberville	Mike Hebert (504-925-6582)	30°14'27" 91°9'33"	25
LACHS	Chase 1902	Chase	Franklin	"	32°05'13" 91°44'31"	70
LAROS	Rosepine 1901	Rosepine	Vernon	"	30°55'21" 93°19'22"	220
MDRGP	Rocky Gap 2102	Cumberland	Allegany	Robert O'Melia (301-225-5291)	39°43'12" 78°38'03"	1240
MD3EC	The Elms 2103	Lexington Pk	St. Marys	"	38°12'03" 76°22'30"	5
MSUNI	University 2501	University	Lafayette	Daryl Whittington (601-232-5971)	34°23'00" 89°32'00"	381
SCCAP	Cape Romain 4201	Mt Pleasant	Charleston	Gene Slice (803-737-7020)	32°56'32" 78°39'27"	16
SCCON	Congaree Swamp 4202	Hopkins	Richland	"	33°48'58" 80°49'38"	105
SCDEL	Delta 4203	Whitmire	Union	"	34°32'21" 81°33'40"	371
SCLON	Lng Crk Fire Twr 4204	Walhalla	Oconee	"	34°48'19" 83°14'17"	1975

TABLE 1.0-1 (CONTINUED)

EPA STATE ACID PRECIPITATION NETWORK SITE INFORMATION

SITE	SITE NAME SITE#	NEAREST CITY	COUNTY	STATE CONTACT (TEL#)	LATITUDE LONGITUDE	ELEVATION(FT)
SDBGP	Buffalo Gap 4301	Hot Springs	Custer	Neva Welch (605-773-3153)	43°33' 103°25'	3360
SDAPR	Pierre 4302	Pierre	Hughes	"	44°20'38" 100°14'42"	1425
SDBPR	Pierre Colocated 4303	Pierre	Hughes	"	44°20'38" 100°14'42"	1425
SDCUS	Custer State park 4304	Hermosa	Custer	"	43°43'47" 103°21'14"	3980
TNCEN	Center Hill Res 4401	Smithville	DeKalb	E.R. Brawner, Jr. (615-741-3931)	36°02'20" 85°43'59"	1005
WVAPC	Charleston APC 5001	Charleston	Kanawha	Ronald Engle (304-348-2275)	38°20'31" 81°37'11"	605
WVGRN	Greenbrier 5002	Lewisburg	Greenbrier	"	37°48'39" 80°30'46"	2720
WVNEW	New Manchester 5003	New Cumberland	Hancock	"	40°31'42" 80°34'32"	1170
WVWAR	Warwood Ave. 5004	Wheeling	Ohio	"	40°07'14" 80°41'59"	695

FIELD SITE ANALYTICAL SURVEYS

GGC conducts a survey of field site proficiency in pH and conductivity analyses once per 6 months and a survey of gravimetric analysis proficiency once per year.

The following most recent survey results are reported here:

Table 1.0-2	pH, conductivity, weight	April 1987
Table 1.0-3	pH, conductivity	September 1987
Table 1.0-4	pH, conductivity, weight	March 1988

BALANCE ACCURACY

In the April 1987 survey of balance accuracy, the respondents reported differences from the expected value ranging from -8.8 g to 1.4 g for the large weight. Results from one site were excluded from average performance shown in Table 1.0-5 to avoid biasing the average. The average difference from the expected value was +0.01 grams. Using the small weight, the reported difference ranged from -0.39 g to +0.75 g. The average difference was +0.04 grams.

A second balance accuracy survey was conducted in March 1988. For 24 reporting sites, the differences from the expected value ranged from -16.3 g to 1.9 g for the large weight. The average difference from the expected value was -0.9 g, (one site was excluded from the summary of average performance to avoid biasing the average).

The small weights were approximately 26 grams; the large weights 200 grams. In most instances, an individual set of 2 weights was sent to each site with no other field laboratory receiving the same set. The central laboratory determined the true mass of each weight.

PH AND CONDUCTIVITY

Semi-annual surveys of pH and conductivity were performed. The results of 3 survey periods are summarized in Table 1.0-6. The results showed that incorrect pH measurements (errors greater than 0.10 pH unit) may be occurring at least 10 percent of the time.

For conductivity measurements, errors in the range of 10 percent were evident at 20-25 percent of the sites in the April 1987 and March 1988 surveys.

The central laboratory assigned the true values for pH and conductivity in the surveys.

Table 1.0-2

EPA State Operated Network
Survey pH, Cond, Weight: April 1987

				SMALL WT		LARGE WT		EXPECTED VALUE		EXPECTED WTS	
SITE	DATE	PH	COND	ID	WT	ID	WT	PH	COND	SMALL	LARGE
			umho/cm		gm		gm		umho/cm	gm	gm
ALTAL	10MAR87	3.85	39.6	A	26.4	A	198.8	4.26	37.8	26.4	198.8
ALMOB	17MAR87	4.30	39.7	B	26.0	B	191.0			26.2	199.8
DEGEO	06MAR87	4.20	39.0	D	26.4	D	194.7			26.4	194.8
DELUM	06MAR87	4.20	39.0	D	26.4	D	194.7			26.4	194.8
GAHIW	17MAR87	4.30	35.7	E	26.0	E	199.0			25.9	199.1
GADUF	10MAR87	4.34	40.2	G	26.0	G	198.0			26.2	198.4
GADAW	10MAR87	3.76	39.6	H	26.0	H	198.0			25.7	197.9
GAWAY	23MAR87	4.20	41.0	I	26.0	I	197.0			25.9	197.1
GABFG	10MAR87	4.30	41.5	J	26.5	J	201.5			26.2	201.6
KYMAM	17MAR87	4.06	36.8	K	27.0	K	204.0			26.3	203.1
KYGRA	13MAR87	4.27	36.4	L	26.0	L	197.0			26.0	197.4
LACHS	31MAR87	4.25	35.0	M	25.5	M	195.5			25.9	196.3
LAROS	17MAR87	4.23	36.8	N	25.9	N	199.8			26.1	200.1
LACAR	24MAR87	4.28	42.3	O	26.5	O	198.0			26.4	198.3
MD3EC	12MAR87	4.25	38.7	P	26.0	P	198.0			26.4	198.1
MDRGP	05MAR87	4.16	37.6	Q	26.0	Q	199.0			26.3	199.5
MSUNI	10MAR87	4.33	36.3	R	26.0	R	200.0			25.9	199.6
SDAPR	01APR87	4.27	39.5	X	26.0	X	206.0			25.9	204.6
TNCEN	12MAR87	4.27	43.2	Z	27.0	Z	198.0			26.6	198.5
TNCEN	13MAR87	4.27	43.2	Z	27.0	Z	198.0			26.6	198.5
WVAPC	06MAR87	4.28	38.8	AA	24.5	AA	196.2			24.6	196.3
WVNEW	15MAR87	4.25	38.7	AD		AD					
WVGRN	06MAR87	4.28	38.8	AB	26.5	AB	199.4			26.5	199.4
WVWAR	15MAR87	4.29	38.7	AC		AC					

Table 1.0-2 (continued)

EPA State Operated Network
Survey pH, Cond, Weight: April 1987

	PH		COND			WEIGHTS			
						LARGE		SMALL	
SITE	FOUND	DIF EXP	FOUND umho/cm	DIF EXP umho/cm	WT ID	FOUND gm	DIF EXP gm	FOUND gm	DIF EXP gm
ALTAL	3.85	-0.41	39.6	1.8	A	198.8	0.0	26.4	0.0
ALMOB	4.30	0.04	39.7	1.9	B	191.0	-8.8	26.0	-0.2
DEGEO	4.20	-0.06	39.0	1.2	D	194.7	-0.1	26.4	0.0
DELUM	4.20	-0.06	39.0	1.2	D	194.7	-0.1	26.4	0.0
GAHIW	4.30	0.04	35.7	-2.1	E	199.0	-0.1	26.0	0.1
GADUF	4.34	0.08	40.2	2.4	G	198.0	-0.4	26.0	-0.2
GADAW	3.76	-0.50	39.6	1.8	H	198.0	0.1	26.0	0.3
GAWAY	4.20	-0.06	41.0	3.2	I	197.0	-0.1	26.0	0.1
GABFG	4.30	0.04	41.5	3.7	J	201.5	-0.1	26.5	0.3
KYMAM	4.06	-0.20	36.8	-1.0	K	204.0	0.9	27.0	0.8
KYGRA	4.27	0.01	36.4	-1.4	L	197.0	-0.4	26.0	0.0
LACHS	4.25	-0.01	35.0	-2.8	M	195.5	-0.8	25.5	-0.4
LAROS	4.23	-0.03	36.8	-1.0	N	199.8	-0.3	25.9	-0.2
LACAR	4.28	0.02	42.3	4.5	O	198.0	-0.3	26.5	0.1
MD3EC	4.25	-0.01	38.7	0.9	P	198.0	-0.1	26.0	-0.4
MDRGP	4.16	-0.10	37.6	-0.2	Q	199.0	-0.5	26.0	-0.3
MSUNI	4.33	0.07	36.3	-1.5	R	200.0	0.4	26.0	0.1
SDAPR	4.27	0.01	39.5	1.7	X	206.0	1.4	26.0	0.1
TNCEN	4.27	0.01	43.2	5.4	Z	198.0	-0.5	27.0	0.4
TNCEN	4.27	0.01	43.2	5.4	Z	198.0	-0.5	27.0	0.4
WVAPC	4.28	0.02	38.8	1.0	AA	196.2	-0.1	24.5	-0.1
WVNEW	4.25	-0.01	38.7	0.9	AD				
WVGRN	4.28	0.02	38.8	1.0	AB	199.4	0.0	26.5	0.0
WVWAR	4.29	0.03	38.7	0.9	AC				
	4.22		39.0						
	0.14		2.2						
	4.26		37.8						

Table 1.0-3

EPA State Operated Network
Survey pH, Cond: Sept. 1987

SITE	DATE	PH	COND umho/cm	EXPECTED VALUES PH	EXPECTED VALUES COND umho/cm	DIFF FROM EXP PH	DIFF FROM EXP COND umho/cm
ALTAL	01 OCT 87	4.25	40.6	4.26	37.8	-0.01	2.8
ALMOB	28 SEP 87	4.30	38.8			0.04	1.0
DEGEO	23 SEP 87	4.25	40.0			-0.01	2.2
GAHIW	03 NOV 87	4.34	37.2			0.08	-0.6
GADAW	05 OCT 87	4.21	40.0			-0.05	2.2
GABFG	13 OCT 87	4.24	40.1			-0.02	2.3
GASUM	30 OCT 87	4.23	37.1			-0.03	-0.7
GADUF	25 NOV 87	4.27	38.1			0.01	0.3
KYMAM	13 OCT 87	4.23	40.2			-0.03	2.4
KYGRA	21 OCT 87	4.22	40.3			-0.04	2.5
LACHS	03 NOV 87	4.22	41.4			-0.04	3.6
LAROS	17 NOV 87	4.21	38.5			-0.05	0.7
MD3EC	14 OCT 87	4.26	37.7			0.00	-0.1
MDRGP	06 OCT 87	4.14	38.4			-0.12	0.6
MSUNI	27 OCT 87	4.34	40.9			0.08	3.1
SCCAP	03 NOV 87	4.20	40.7			-0.06	2.9
SCCON	03 NOV 87	4.22	41.0			-0.04	3.2
SCDEL	03 NOV 87	4.23	41.3			-0.03	3.5
SCLON	03 NOV 87	4.22	41.0			-0.04	3.2
TNCEN	25 SEP 87	4.25	39.9			-0.01	2.1
SDCUS	19 OCT 87	4.25	40.0			-0.01	2.2
SDAPR/ SDBPR	20 OCT 87	4.23	40.0			-0.03	2.2
	AVERAGE	4.24	39.7				
	SD	0.04	1.3				
	GLOBAL	4.26	37.8				

Table 1.0-4

EPA State Operated Network
Survey pH, Cond, Weight: March 1988

				SMALL WT		LARGE WT		EXPECTED VALUE		EXPECTED WTS	
SITE	DATE	PH	COND umho/cm	ID	WT gm	ID	WT gm	PH	COND umho/cm	SMALL gm	LARGE gm
ALTAL	21MAR88	4.27	39.1	X	26.0	X	204.5	4.28	37.4	25.9	205.3
ALMOB	21MAR88	4.28	36.1	Y	26.0	Y	182.0			26.2	198.3
DEGEO	21MAR88	4.18	38.0	AA	24.6	AA	196.3			24.7	197.0
DELUM	21MAR88	4.18	38.0	AA	24.6	AA	196.3			24.7	197.0
GAHIW	21MAR88	4.26	34.9	A	27.3	A	200.0			26.4	199.4
GADAW	21MAR88	4.28	39.5	AB	28.5	AB	202.0			26.5	200.1
GABFG	21MAR88	4.25	35.7	AD	25.0	AD	201.0			25.1	201.7
GASUM	21MAR88	4.27	33.2	B	26.5	B	200.0			26.2	200.4
KYMAM	29MAR88	4.24	38.5	D	29.0	D	192.0			26.4	195.5
KYGRA	29MAR88	4.27	38.8	E	26.0	E	199.0			25.9	199.8
LACHS	30MAR88	4.13	39.2	F	26.0	F	196.0			26.3	197.4
LAROS	02APR88	4.26	37.4	H	25.1	H	197.4			26.7	198.6
LACAR	02APR88	4.15	43.5	G	25.0	G	198.0			26.2	199.1
MD3EC	23MAR88	4.46	32.8	I	26.0	I	198.0			25.9	197.8
MDRGP	12APR88	4.22	37.1	J	26.0	J	202.0			26.2	202.3
MSUNI	21MAR88	4.24	34.5	K	26.0	K	203.0			26.3	203.7
SCCAP	29MAR88	4.19	38.4	O	26.0	O	197.5			26.4	199.0
SCCON	29MAR88	4.19	38.5	N	26.0	N	200.0			26.1	200.8
SCDEL	29MAR88	4.19	38.5	M	26.0	M	197.0			25.9	197.0
SCLON	29MAR88	4.18	38.5	L	25.0	L	196.0			26.0	198.1
TNCEN	12APR88	4.26	40.0	P	26.0	P	198.0			26.4	198.8
WVAPC	29MAR88	4.26	37.0	R	25.9	R	199.3			25.9	200.3
WVNEW	29MAR88	4.19	38.4	Q	26.3	Q	199.4			26.3	200.1
WVGRN	29MAR88	4.27	37.1	AF	25.1	AF	201.4			25.1	202.5

Table 1.0-4 (continued)

EPA State Operated Network
Survey pH, Cond, Weight: March 1988

	PH		COND			WEIGHTS			
						LARGE		SMALL	
SITE	FOUND	DIF EXP	FOUND umho/cm	DIF EXP umho/cm	WT ID	FOUND wt	DIF EXP wt	FOUND wt	DIF EXP wt
ALTAL	4.27	-0.01	39.1	1.7	X	204.5	-0.8	26.0	0.1
ALMOB	4.28	0.00	36.1	-1.3	Y	182.0	-16.3	26.0	-0.2
DEGEO	4.18	-0.10	38.0	0.6	AA	196.3	-0.7	24.6	-0.1
DELUM	4.18	-0.10	38.0	0.6	AA	196.3	-0.7	24.6	-0.1
GAHIW	4.26	-0.02	34.9	-2.5	A	200.0	0.6	27.3	0.9
GADAW	4.28	0.00	39.5	2.1	AB	202.0	1.9	28.5	2.0
GABFG	4.25	-0.03	35.7	-1.7	AD	201.0	-0.7	25.0	-0.1
GASUM	4.27	-0.01	33.2	-4.2	B	200.0	-0.4	26.5	0.3
KYMAM	4.24	-0.04	38.5	1.1	D	192.0	-3.5	29.0	2.6
KYGRA	4.27	-0.01	38.8	1.4	E	199.0	-0.8	26.0	0.1
LACHS	4.13	-0.15	39.2	1.8	F	196.0	-1.4	26.0	-0.3
LAROS	4.26	-0.02	37.4	0.0	H	197.4	-1.2	25.1	-1.6
LACAR	4.15	-0.13	43.5	6.1	G	198.0	-1.1	25.0	-1.2
MD3EC	4.46	0.18	32.8	-4.6	I	198.0	0.2	26.0	0.1
MDRGP	4.22	-0.06	37.1	-0.3	J	202.0	-0.3	26.0	-0.2
MSUNI	4.24	-0.04	34.5	-2.9	K	203.0	-0.7	26.0	-0.3
SCCAP	4.19	-0.09	38.4	1.0	O	197.5	-1.5	26.0	-0.4
SCCON	4.19	-0.09	38.5	1.1	N	200.0	-0.8	26.0	-0.1
SCDEL	4.19	-0.09	38.5	1.1	M	197.0	0.0	26.0	0.1
SCLON	4.18	-0.10	38.5	1.1	L	196.0	-2.1	25.0	-1.0
TNCEN	4.26	-0.02	40.0	2.6	P	198.0	-0.8	26.0	-0.4
WVAPC	4.26	-0.02	37.0	-0.4	R	199.3	-1.0	25.9	0.0
WVNEW	4.19	-0.09	38.4	1.0	Q	199.4	-0.7	26.3	0.0
WVGRN	4.27	-0.01	37.1	-0.3	AF	201.4	-1.1	25.1	0.0
	4.24		37.6						
	0.06		2.2						
	4.28		37.4						

Table 1.0-5. Summary of Survey of Balance Accuracy

Date	Large weight (grams) Average difference*	Large weight (grams) Range of difference	Small weight (grams) Average difference	Small weight (grams) Range of difference
April 1987	0.01	-8.8 to 1.4	0.04	-0.39 to 0.75
March 1988	-0.9	-16.3 to 1.9	0.00	-1.63 to 2.61

* Excluded ALMOB

Table 1.0-6. Summary of Survey of pH and Conductivity Accuracy

	Survey averages				Expected values	
Date	pH	Std. dev.	Conductivity (μS/cm)	Std. dev.	pH	conductivity
April 1987	4.22	0.14	39.0	2.2	4.26	37.8
Sept. 1987	4.24	0.04	39.7	1.3	4.26	37.8
March 1988	4.24	0.06	37.6	2.2	4.28	37.4

2.0 REPORTS OF DATA BY STATE AND SITE

The data for each state and each site within the state are presented in this section for the time period JAN 87 through DEC 87. Included is a map of each state giving the location of each site, a table of site information, a plot of selected analytical data for each site, and a table of all data for each site.

The points appearing at the top of the plots on the plot limit line should be interpreted as being equal to or greater than the limit.

The plots of data include a plot for each laboratory analyte except for the analytes GRAN (strong acidity), NO2, PO4, and BR. These were excluded for the following reasons: 1) lack of space; 2) pH data are plotted and plots of GRAN data would be redundant; 3) NO2, PO4, and Br are at or below the detection limit (see Appendix A for detection limit information) in most cases and plots would yield little information beyond that fact.

Data are plotted for all samples except for those which have the following values under the "CODE2" mnemonic: "99" - this is a sample voided by GGC because of visually obvious contamination; "31" - a sample which the field operator indicated as having bird droppings; "32" - a sample which the field operator indicated as being cloudy or colored. "34" - a sample which the field operator indicated as having insects; "90" - a dry side bucket.

An explanation of each mnemonic used in the data tables is given in Table 2-1.

Two changes were made in the mnemonics used in 1986. (1) "SITE" was removed as a valid mnemonic. (2) "TYPE" was added as a valid mnemonic.

Negative data in the data tables indicate an instrumental response below the detection limit. The number after the minus sign is the approximate detection limit.

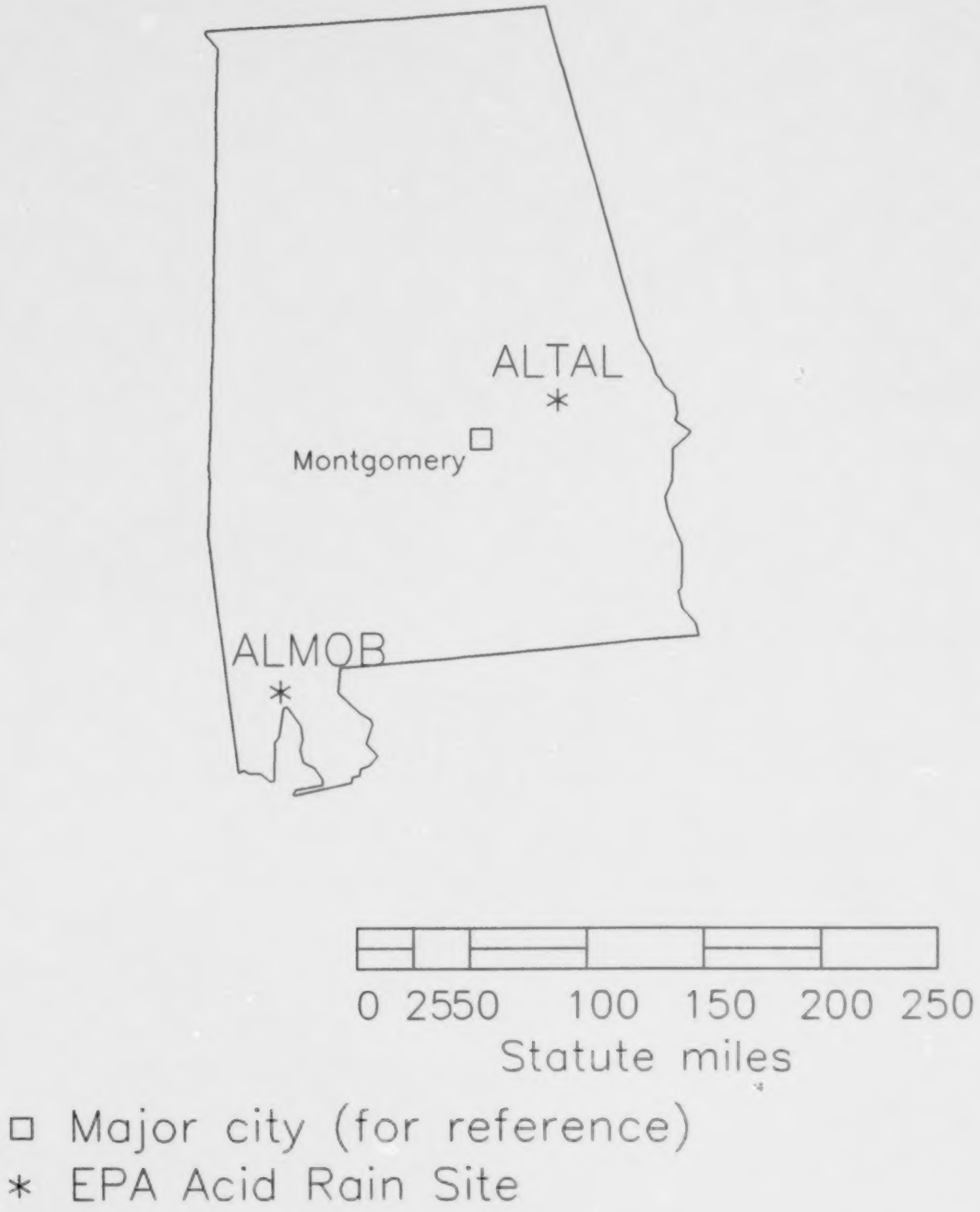
TABLE 2-1
MNEMONICS FOR DATABASE EPAAR

STN	5 character code - 1st two characters are state code;next 3 characters are the first three characters of the site name
BD	The begin day of sampling written as YRMODY (YEAR, MONTH, DAY)
TYPE	AB.NN (A - 'blank'=Wet, 1=Bulk, 2=Undefined) (B - 'blank'=Rain, 1=Snow, 2=Mixture, 3=Unknown, 4=Dew) (NN - Sensor temp in degrees centigrade)
BT	Begin time of sampling
ED	End day of sampling YRMODY
DR	Date received by the GGC laboratory YRMODY
EVENT	The number of rain events during the collection period
INCH	The total inches of rain which fell during the collection period
FWT	The weight of the sample measured in the field
FCOND	The conductivity measured in the field
FPH	The pH measured in the field
CODE1	Comment code, 1 digit: 1 - insect in bucket, 2 - vegetation in bucket, 3 - Dirt/particulates in bucket, 4 - decaying matter in bucket, 9 - field data sheet wet and illegible
CODE2	Comment code, 2 digit: 10 - no sample received, bucket empty; Operator codes: 21 - sampler malfunction; 31 - bird droppings; 32 - cloudy or discolored; 33 - dirt or soot; 34 - insects; 90 - day side bucket. 99 - sample voided due to CODE1 of 1, 3, or 4. No laboratory analyses performed (other than weighing in of sample and pH measurement)

TABLE 2-1 (continued)
MNEMONICS FOR DATABASE EPAAR

A/C	Molar anion over cation ratio
TC/MC	Ratio of the theoretical conductivity to the measured conductivity
WT	Volume of sample received by the laboratory
PH	pH measured in the laboratory
GRAN	Amount of strong acid measured by the GRAN titration
COND	Conductivity measured in the laboratory
F, Cl, NO2, PO4, BR, NO3, SO4, NH4, NA, K, CA, MG	Laboratory analytical data

Alabama


ALTAL
Montgomery
ALMOB
0 2550 100 150 200 250
Statute miles
□ Major city (for reference)
∗ EPA Acid Rain Site

ALABAMA

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD[1] BEGIN	END	#SAMPLES	%NON-VOID[2]
ALMOB	Mobile	Mobile	Mobile			39	97.4
ALTAL	Tallassee	Tallassee	Elmore			41	95.1

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1

SITE: ALMOB

Data Plots, Jan '87- Dec '87

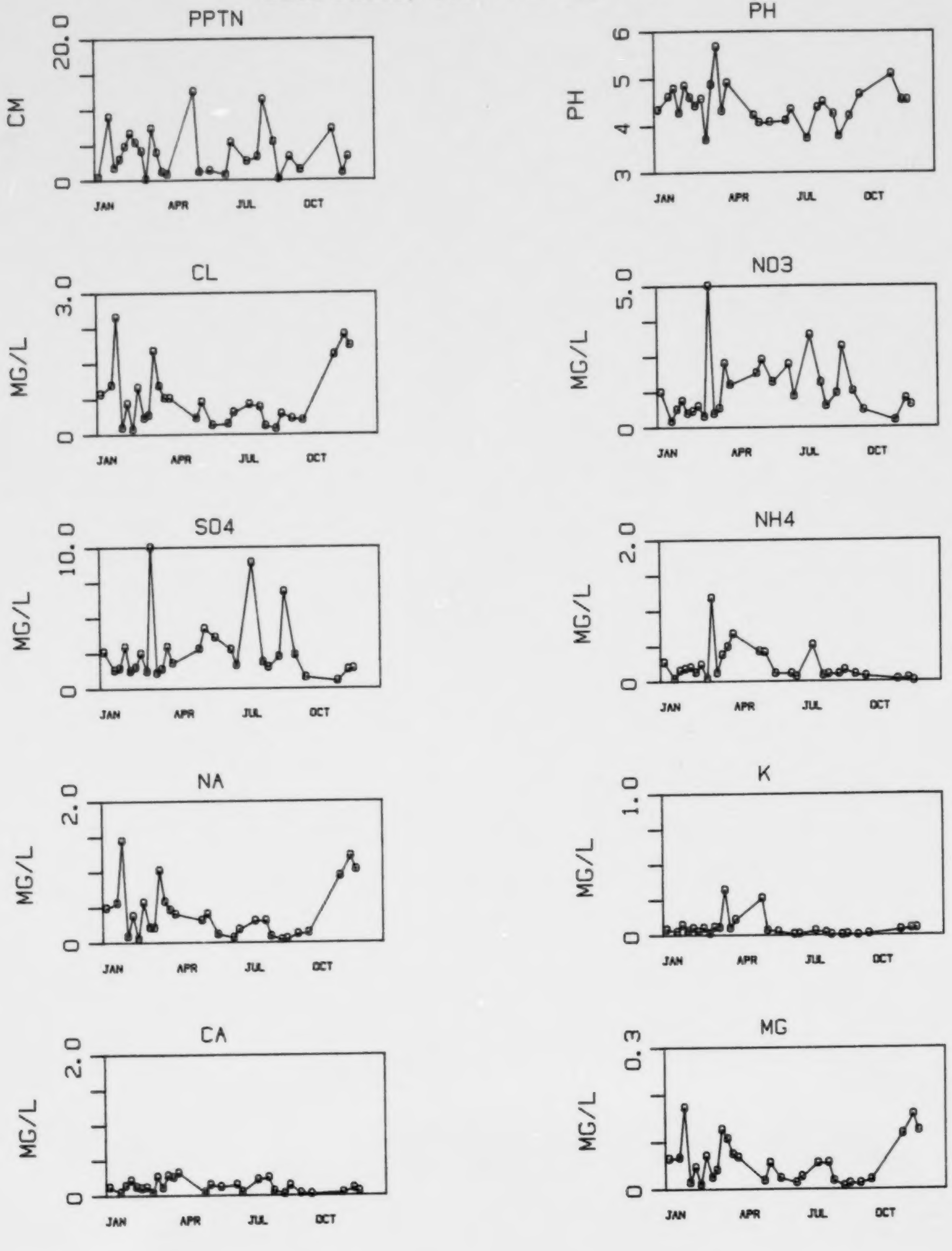
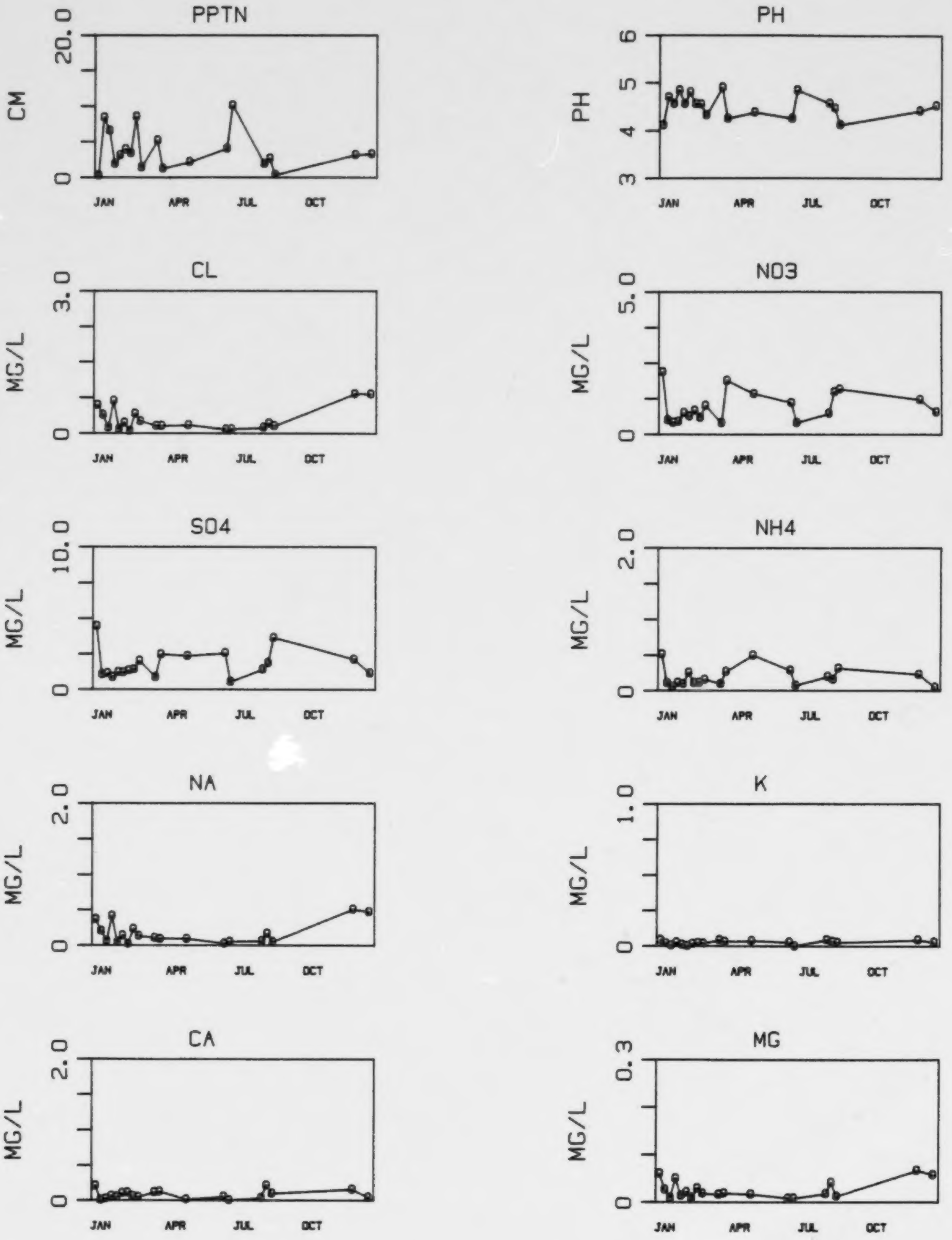


Figure 2-1 (continued)

SITE: ALTAL

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2481	ALMOB	870106		900	870113	910	870115		0.19	322.00	
2553	ALMOB	870120		925	870127	927	870202		3.56	5974.00	16.9
2598	ALMOB	870127		927	870203	910	870213		0.70	1174.00	22.4
2609	ALMOB	870203		910	870210	900	870218		1.18	1717.00	27.6
2613	ALMOB	870210		900	870217	922	870220		1.90	3316.00	13.8
2664	ALMOB	870217		922	870224	925	870305		2.63	4535.00	17.7
2672	ALMOB	870224		925	870304	907	870309		2.13	3547.00	15.2
2690	ALMOB	870304		907	870310	930	870318		1.64	2798.00	38.6
2712	ALMOB	870310		930	870317	900	870325		0.05	56.00	
2735	ALMOB	870317		900	870324	910	870327		2.90	4940.00	13.8
2756	ALMOB	870324		910	870331	1000	870407		1.56	2591.00	
2777	ALMOB	870331		1000	870407	920	870414		0.47	754.00	32.8
2801	ALMOB	870407		900	870414	920	870418		0.33	512.00	2.4

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ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2481	ALMOB	870106		3		1.05	1.06	300.0	4.34	53.5	24.8
2553	ALMOB	870120	5.30			1.05	1.06	550.0	4.62	30.9	13.9
2598	ALMOB	870127	4.70			1.01	1.07	550.0	4.79	22.7	18.0
2609	ALMOB	870203	4.30	3	2133	1.03	1.09	575.0	4.27	58.1	24.4
2613	ALMOB	870210	4.60	3	33	1.02	1.13	575.0	4.85	17.7	10.0
2664	ALMOB	870217	4.60			1.08	1.13	550.0	4.60	31.0	11.6
2672	ALMOB	870224	4.50	3	33	1.04	1.04	560.0	4.42	46.4	22.4
2690	ALMOB	870304	4.65			0.97	1.19	560.0	4.57	30.3	11.2
2712	ALMOB	870310				1.10	0.92	56.0	3.70		108.2
2735	ALMOB	870317	4.90			1.01	1.07	575.0	4.87	16.9	13.7
2756	ALMOB	870324	5.09	3		0.91	0.92	550.0	5.67		11.9
2777	ALMOB	870331	6.60	3		1.05	1.04	550.0	4.31	56.7	29.3
2801	ALMOB	870407	4.55	3		0.94	1.05	330.0	4.91	16.2	15.1

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2481	ALMOB	870106	-0.002	0.857	-0.004	0.009	-0.019	1.247	2.589	0.273	0.489
			-0.109	24.164	-0.084	0.091	-0.244	20.073	26.924	15.128	21.293
2553	ALMOB	870120	0.012	1.039	-0.005	-0.027	0.078	0.213	1.293	0.037	0.557
			0.628	29.310	-0.113	-0.287	0.975	3.435	13.445	2.059	24.251
2598	ALMOB	870127	-0.004	2.481	-0.047	0.035	-0.044	0.637	1.432	0.152	1.442
			-0.190	69.968	-1.014	0.365	-0.553	10.263	14.892	8.397	62.729
2609	ALMOB	870203	0.015	0.140	-0.009	0.026	-0.026	0.938	2.932	0.178	0.085
			0.795	3.961	-0.205	0.270	-0.326	15.105	30.493	9.860	3.695
2613	ALMOB	870210	0.010	0.651	-0.009	0.044	-0.022	0.492	1.227	0.199	0.378
			0.502	18.356	-0.194	0.461	-0.276	7.924	12.762	11.037	16.426
2664	ALMOB	870217	0.008	0.105	-0.010	-0.043	-0.023	0.573	1.503	0.126	0.055
			0.410	2.969	-0.208	-0.454	-0.294	9.222	15.635	6.991	2.379
2672	ALMOB	870224	0.017	0.987	-0.021	-0.112	-0.027	0.743	2.466	0.236	0.566
			0.887	27.828	-0.451	-1.178	-0.335	11.961	25.641	13.085	24.601
2690	ALMOB	870304	0.004	0.348	-0.002	-0.060	-0.005	0.385	1.201	0.039	0.211
			0.224	9.800	-0.051	-0.634	-0.060	6.196	12.494	2.135	9.198
2712	ALMOB	870310	0.034	0.409	-0.001	0.048	-0.010	5.142	10.603	1.179	0.208
			1.782	11.536	-0.014	0.508	-0.131	82.790	110.268	65.328	9.065
2735	ALMOB	870317	0.005	1.768	-0.002	0.059	-0.014	0.479	1.084	0.116	1.017
			0.239	49.855	-0.050	0.615	-0.180	7.710	11.268	6.453	44.228
2756	ALMOB	870324	0.009	1.023	-0.010	0.120	-0.007	0.669	1.369	0.376	0.578
			0.459	28.841	-0.214	1.259	-0.084	10.764	14.234	20.821	25.140
2777	ALMOB	870331	0.022	0.773	-0.018	0.051	-0.041	2.259	2.930	0.491	0.460
			1.173	21.801	-0.400	0.536	-0.519	36.367	30.471	27.213	19.999
2801	ALMOB	870407	0.011	0.766	-0.018	0.064	-0.007	1.509	1.788	0.673	0.398
			0.558	21.588	-0.395	0.671	-0.090	24.292	18.598	37.262	17.317

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2481	ALMOB	870106	0.041	0.119	0.064
			1.055	2.979	2.641
2553	ALMOB	870120	0.023	0.042	0.066
			0.581	1.058	2.731
2598	ALMOB	870127	0.071	0.140	0.173
			1.816	3.490	7.112
2609	ALMOB	870203	0.029	0.217	0.014
			0.729	5.407	0.574
2613	ALMOB	870210	0.050	0.125	0.046
			1.276	3.111	1.913
2664	ALMOB	870217	0.023	0.101	0.009
			0.595	2.515	0.384
2672	ALMOB	870224	0.051	0.116	0.070
			1.303	2.906	2.889
2690	ALMOB	870304	0.011	0.040	0.025
			0.275	0.992	1.013
2712	ALMOB	870310	0.057	0.267	0.040
			1.456	6.653	1.657
2735	ALMOB	870317	0.053	0.112	0.127
			1.356	2.789	5.207
2756	ALMOB	870324	0.319	0.282	0.107
			8.166	7.041	4.402
2777	ALMOB	870331	0.049	0.258	0.075
			1.242	6.433	3.075
2801	ALMOB	870407	0.110	0.322	0.067
			2.815	8.038	2.777

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2882	ALMOB	870505		910	870512	920	870518		3.850	6794.000	16.500
2899	ALMOB	870512		920	870519	905	870528		4.950	8453.000	30.600
2912	ALMOB	870519		905	870526	910	870601		0.450	707.000	45.300
2950	ALMOB	870602		905	870609	905	870616		0.520	795.000	41.800
2974	ALMOB	870609		905	870616	1055	870622		3.420	6060.000	64.200
2988	ALMOB	870616		1055	870623	910	870626		3.810	6539.000	16.600
3024	ALMOB	870623		910	870630	912	870707		0.290	444.000	42.600
3043	ALMOB	870630		912	870707	910	870713		2.120	3692.000	21.100
3085	ALMOB	870714		930	870721	910	870727			1052.000	13.700
3093	ALMOB	870721		910	870728	905	870803	4	1.050	1699.000	78.900
3136	ALMOB	870804		910	870811	1100	870818	4	1.300	2244.000	18.600
3149	ALMOB	870811		1100	870818	917	870825	4	4.500	7762.000	13.900
3166	ALMOB	870818		917	870825	915	870902	2	0.490	858.000	73.900
3181	ALMOB	870825		915	870901	915	870908	2	2.150	3447.000	20.700
3199	ALMOB	870901		915	870908	905	870914	1	0.050	97.000	
3218	ALMOB	870908		905	870915	915	870921	2	2.850	4593.000	96.900
3238	ALMOB	870915		915	870922	930	870925	3	1.300	2177.000	25.500

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3279	ALMOB	870929		945	871006		871015	3	0.550	922.000	10.300
3306	ALMOB	871020		945	871027	920	871103		0.050	111.000	
3332	ALMOB	871103		925	871110	920	871117	3	1.550	2626.000	10.900
3354	ALMOB	871110	10.00	920	871117	900	871125	2	2.850	4798.000	9.600
3383	ALMOB	871124		1245	871201	925	871207	2	0.400	682.000	21.500
3401	ALMOB	871201		925	871208	900	871215	1	1.300	2077.000	19.000
3418	ALMOB	871215		920	871222	920	880105	1	1.000	1555.000	23.500
3462	ALMOB	871222		920	871229	930	880107	1295	21.700	1295.000	21.700
3473	ALMOB	871229		930	880105	920	880111	3	1.100	1902.000	20.100

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2882	ALMOB	870505	5.700		34.000	1.095	1.065	550.000	4.540	34.900	14.109
2899	ALMOB	870512	4.300	3.000		0.942	1.026	550.000	4.220	71.200	30.794
2912	ALMOB	870519	4.100			1.043	0.965	550.000	4.060	98.500	46.200
2950	ALMOB	870602	4.100	3.000		1.044	0.990	550.000	4.070	96.700	39.304
2974	ALMOB	870609	5.100		34.000	0.969	1.196	550.000	4.950	15.100	5.853
2988	ALMOB	870616	4.700		34.000	1.037	1.086	550.000	4.540	33.900	13.733
3024	ALMOB	870623	4.100	3.000	33.000	1.061	1.011	320.000	4.100	91.400	35.913
3043	ALMOB	870630	4.500			1.054	1.053	550.000	4.340	52.100	20.613
3085	ALMOB	870714	4.590	3.000	3234.000	1.020	1.150	550.000	4.550	32.800	12.407
3093	ALMOB	870721	3.700	3.000		1.047	1.012	550.000	3.720	212.900	88.429
3136	ALMOB	870804	4.300			1.047	1.062	550.000	4.380	49.100	21.240
3149	ALMOB	870811	4.530			1.082	1.161	550.000	4.500	37.800	13.347
3166	ALMOB	870818	3.700	3.000	32.000	1.140	0.944	550.000	3.770	206.600	89.279
3181	ALMOB	870825	4.300	3.000		1.068	1.106	550.000	4.240	65.500	23.386
3199	ALMOB	870901				1.079	1.059	90.000	3.770	189.400	71.273
3218	ALMOB	870908	4.900		34.000	1.026	1.170	550.000	4.670	25.900	9.001
3238	ALMOB	870915	4.200			1.061	1.012	550.000	4.200	71.700	28.364

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3279	ALMOB	870929	4.700			1.011	1.133	550.000	4.660	29.600	9.638
3306	ALMOB	871020		3.000	99.000	9999.000	9999.000	110.000	4.360		
3332	ALMOB	871103	4.700		34.000	1.033	1.132	525.000	4.620	31.100	11.899
3354	ALMOB	871110	5.300	3.000		0.982	1.128	550.000	5.090	12.300	9.210
3383	ALMOB	871124	4.550			1.000	1.048	300.000	4.540	34.900	20.727
3401	ALMOB	871201	4.600	3.000		1.078	1.070	550.000	4.540	32.000	18.912
3418	ALMOB	871215	4.400		34.000	1.008	1.098	550.000	4.360	46.800	22.972
3462	ALMOB	871222	4.600	3.000	34.000	1.023	1.096	550.000	4.520	32.200	20.370
3473	ALMOB	871229	4.500		34.000	1.013	1.096	550.000	4.500	34.700	19.143

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2882	ALMOB	870505	-0.004	0.227	-0.029	0.055	-0.072	0.760	1.464	0.192	0.112
			-0.229	6.406	-0.639	0.579	-0.899	12.240	15.224	10.662	4.869
2899	ALMOB	870512	0.016	0.344	-0.005	0.048	-0.014	1.917	2.775	0.426	0.313
			0.820	9.705	-0.105	0.504	-0.173	30.872	28.864	23.573	13.603
2912	ALMOB	870519	-0.033	0.680	-0.011	-0.053	-0.010	2.382	4.226	0.412	0.401
			-1.711	19.175	-0.244	-0.558	-0.127	38.347	43.952	22.818	17.463
2950	ALMOB	870602	0.041	0.195	-0.008	-0.062	-0.005	1.595	3.598	0.110	0.113
			2.179	5.497	-0.174	-0.651	-0.057	25.679	37.423	6.094	4.898
2974	ALMOB	870609	-0.006	0.242	-0.005	-0.065	-0.008	0.446	0.632	0.116	0.123
			-0.318	6.820	-0.114	-0.687	-0.102	7.183	6.571	6.425	5.350
2988	ALMOB	870616	0.010	0.369	-0.004	-0.047	-0.021	0.838	1.209	0.124	0.189
			0.551	10.407	-0.093	-0.499	-0.260	13.493	12.578	6.869	8.206
3024	ALMOB	870623	0.027	0.222	-0.004	0.055	-0.007	2.215	2.742	0.110	0.065
			1.436	6.274	-0.085	0.575	-0.083	35.668	28.521	6.080	2.832
3043	ALMOB	870630	0.012	0.461	-0.002	-0.054	-0.005	1.088	1.630	0.066	0.181
			0.622	13.011	-0.046	-0.568	-0.061	17.509	16.952	3.682	7.892
3085	ALMOB	870714	0.015	0.255	-0.011	-0.069	-0.012	1.166	0.935	0.098	0.137
			0.803	7.201	-0.230	-0.727	-0.147	18.768	9.725	5.423	5.968
3093	ALMOB	870721	0.059	0.631	-0.007	-0.074	-0.010	3.252	8.883	0.513	0.302
			3.112	17.802	-0.156	-0.776	-0.125	52.352	92.383	28.431	13.128
3136	ALMOB	870804	0.011	0.574	-0.009	-0.082	-0.010	1.570	1.846	0.083	0.307
			0.564	16.183	-0.195	-0.863	-0.127	25.272	19.197	4.582	13.333
3149	ALMOB	870811	0.011	0.179	-0.003	-0.076	-0.004	0.747	1.487	0.099	0.085
			0.599	5.048	-0.067	-0.796	-0.054	12.023	15.468	5.466	3.688
3166	ALMOB	870818	0.062	0.251	-0.002	-0.085	-0.008	2.777	10.367	0.711	0.095
			3.245	7.076	-0.042	-0.888	-0.095	44.707	107.817	39.369	4.150
3181	ALMOB	870825	0.021	0.119	-0.005	-0.073	-0.010	1.202	2.237	0.104	0.036
			1.091	3.359	-0.104	-0.767	-0.126	19.354	23.269	5.749	1.582
3199	ALMOB	870901	0.041	0.430	-0.006	-0.065	-0.014	2.848	6.819	0.158	0.052
			2.169	12.129	-0.126	-0.678	-0.182	45.855	70.917	8.736	2.282
3218	ALMOB	870908	0.003	0.332	-0.000	-0.064	-0.009	0.408	0.815	0.032	0.161
			0.133	9.367	-0.010	-0.676	-0.111	6.562	8.477	1.791	7.021
3238	ALMOB	870915	0.025	0.332	-0.001	-0.043	-0.010	1.266	2.348	0.098	0.117
			1.319	9.358	-0.028	-0.456	-0.126	20.388	24.420	5.436	5.073

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3279	ALMOB	870929	0.008 0.424	0.299 8.428	-0.004 -0.087	-0.079 -0.827	-0.007 -0.089	0.595 9.579	0.773 8.038	0.069 3.833	0.137 5.981
3306	ALMOB	871020									
3332	ALMOB	871103	0.010 0.539	0.555 15.659	-0.002 -0.054	-0.062 -0.653	-0.017 -0.215	0.444 7.144	1.262 13.124	0.072 3.968	0.313 13.599
3354	ALMOB	871110	-0.002 -0.105	1.674 47.220	-0.015 -0.322	-0.090 -0.948	-0.010 -0.120	0.223 3.591	0.517 5.376	0.025 1.393	0.936 40.731
3383	ALMOB	871124	-0.005 -0.281	2.099 59.188	-0.006 -0.120	0.011 0.120	-0.020 -0.250	0.996 16.042	1.304 13.564	0.037 2.058	1.219 53.024
3401	ALMOB	871201	-0.001 -0.048	1.873 52.830	-0.004 -0.093	-0.003 -0.036	0.016 0.194	0.771 12.411	1.386 14.416	-0.191 -10.589	1.027 44.693
3418	ALMOB	871215	0.007 0.357	1.273 35.891	-0.003 -0.061	-0.005 -0.056	-0.008 -0.101	0.693 11.161	2.274 23.646	0.162 8.992	0.703 30.600
3462	ALMOB	871222	-0.009 -0.484	1.906 53.740	-0.006 -0.120	0.005 0.051	-0.013 -0.164	0.966 15.548	1.672 17.386	0.129 7.143	1.098 47.760
3473	ALMOB	871229	-0.002 -0.084	1.732 48.831	-0.005 -0.104	-0.013 -0.136	-0.011 -0.138	0.736 11.857	1.438 14.960	0.049 2.714	0.944 41.086

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2882	ALMOB	870505	0.022	0.010	0.015
			0.560	0.257	0.624
2899	ALMOB	870512	0.261	0.038	0.018
			6.679	0.940	0.722
2912	ALMOB	870519	0.033	0.151	0.055
			0.856	3.766	2.261
2950	ALMOB	870602	0.024	0.118	0.023
			0.607	2.955	0.938
2974	ALMOB	870609	0.029	0.058	0.018
			0.750	1.453	0.737
2988	ALMOB	870616	0.009	0.038	0.025
			0.235	0.947	1.049
3024	ALMOB	870623	0.006	0.150	0.013
			0.146	3.751	0.554
3043	ALMOB	870630	0.007	0.051	0.026
			0.181	1.275	1.081
3085	ALMOB	870714	0.012	0.081	0.020
			0.317	2.025	0.834
3093	ALMOB	870721	0.031	0.221	0.055
			0.787	5.522	2.253
3136	ALMOB	870804	0.017	0.253	0.056
			0.429	6.313	2.296
3149	ALMOB	870811	0.003	0.059	0.017
			0.068	1.475	0.718
3166	ALMOB	870818	0.039	0.446	0.031
			0.993	11.116	1.270
3181	ALMOB	870825	-0.001	0.021	0.006
			-0.034	0.536	0.251
3199	ALMOB	870901	0.006	0.141	0.011
			0.156	3.517	0.467
3218	ALMOB	870908	-0.001	0.013	0.019
			-0.038	0.334	0.764
3238	ALMOB	870915	-0.002	0.027	0.012
			-0.043	0.676	0.498

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3279	ALMOB	870929	0.009 0.230	0.016 0.401	0.020 0.803
3306	ALMOB	871020			
3332	ALMOB	871103	0.025 0.645	0.050 1.249	0.043 1.765
3354	ALMOB	871110	0.037 0.954	0.038 0.960	0.117 4.816
3383	ALMOB	871124	0.048 1.222	0.099 2.481	0.157 6.468
3401	ALMOB	871201	0.049 1.264	0.055 1.363	0.124 5.090
3418	ALMOB	871215	0.043 1.090	0.062 1.559	0.084 3.452
3462	ALMOB	871222	0.051 1.317	0.093 2.326	0.135 5.538
3473	ALMOB	871229	0.062 1.587	0.075 1.882	0.110 4.513

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2494	ALTAL	870106		900	870113	900	870116			213.30	44.5
2531	ALTAL	870113		900	870120	900	870126			5733.60	11.1
2563	ALTAL	870120		900	870127	900	870205			4481.20	
2590	ALTAL	870127		900	870203	900	870211			1314.10	10.6
2610	ALTAL	870203		900	870210	900	870218			2128.10	13.7
2614	ALTAL	870210		900	870217	900	870220			2686.60	11.5
2681	ALTAL	870217		900	870224	900	870317			2320.70	14.2
2682	ALTAL	870224		900	870303	900	870317			5806.50	17.7
2700	ALTAL	870303		900	870310	900	870320			957.20	23.8
2736	ALTAL	870310	20.00	900	870317	900	870327			306.20	60.8
2757	ALTAL	870324		900	870331	900	870407			3521.10	8.0
2778	ALTAL	870331		900	870407	900	870414			843.70	30.5
2825	ALTAL	870407		900	870414	900	870422			409.40	23.8
2835	ALTAL	870414		900	870421	930	870430			93.00	33.9

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2494	ALTAL	870106	3.94	3		1.05	1.04	160.0	4.11	83.3	40.2
2531	ALTAL	870113	4.55			1.11	1.10	475.0	4.70	25.9	10.1
2563	ALTAL	870120	4.46			1.04	1.19	525.0	4.56	34.7	10.6
2590	ALTAL	870127	4.60			0.98	1.15	500.0	4.84	18.2	8.9
2610	ALTAL	870203	4.32	3		1.09	1.15	500.0	4.56	31.6	11.6
2614	ALTAL	870210	4.52			1.00	1.16	550.0	4.80	22.0	9.0
2681	ALTAL	870217	4.13			1.13	1.13	525.0	4.56	33.9	12.3
2682	ALTAL	870224	4.00			1.01	1.11	550.0	4.55	31.8	13.5
2700	ALTAL	870303	3.89			1.00	1.15	550.0	4.32	51.0	19.8
2736	ALTAL	870310	3.55		2134	1.06	0.99	250.0	3.96	123.5	56.1
2757	ALTAL	870324	4.51			1.04	1.17	525.0	4.90	17.1	6.7
2778	ALTAL	870331	3.88	3		1.10	1.07	475.0	4.25	64.3	26.4
2825	ALTAL	870407	4.15	3	32	0.98	1.05	450.0	4.69	29.5	16.5
2835	ALTAL	870414	4.39	3	3299	9999.00	9999.00	75.0	4.44		

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2494	ALTAL	870106	-0.005 -0.242	0.589 16.612	-0.008 -0.172	0.020 0.206	-0.014 -0.173	2.186 35.190	4.440 46.171	0.512 28.340	0.364 15.851
2531	ALTAL	870113	-0.003 -0.159	0.382 10.773	-0.011 -0.237	0.034 0.362	-0.007 -0.087	0.492 7.924	1.053 10.948	0.108 5.961	0.201 8.764
2563	ALTAL	870120	0.007 0.345	0.116 3.284	-0.069 -1.504	0.033 0.348	0.129 1.613	0.409 6.586	1.122 11.672	0.052 2.897	0.061 2.650
2590	ALTAL	870127	-0.006 -0.291	0.677 19.079	-0.098 -2.141	0.036 0.375	-0.093 -1.167	0.449 7.233	0.848 8.816	0.110 6.119	0.412 17.904
2610	ALTAL	870203	0.009 0.467	0.084 2.362	-0.009 -0.202	0.051 0.536	-0.025 -0.313	0.753 12.122	1.203 12.515	0.093 5.154	0.041 1.772
2614	ALTAL	870210	0.008 0.447	0.220 6.207	-0.009 -0.192	0.034 0.355	-0.021 -0.264	0.633 10.189	1.186 12.330	0.253 14.023	0.139 6.038
2681	ALTAL	870217	0.013 0.668	0.047 1.312	-0.027 -0.595	0.105 1.097	-0.030 -0.378	0.835 13.444	1.325 13.775	0.108 5.997	0.020 0.883
2682	ALTAL	870224	-0.002 -0.087	0.411 11.594	-0.028 -0.608	-0.174 -1.824	-0.031 -0.382	0.587 9.456	1.410 14.664	0.112 6.181	0.230 9.994
2700	ALTAL	870303	0.010 0.536	0.247 6.974	-0.002 -0.033	-0.055 -0.576	-0.007 -0.082	1.006 16.194	2.014 20.942	0.155 8.581	0.130 5.648
2736	ALTAL	870310	0.018 0.937	0.117 3.302	-0.002 -0.052	-0.045 -0.477	-0.015 -0.182	3.118 50.193	5.993 62.324	0.724 40.095	0.073 3.185
2757	ALTAL	870324	0.006 0.290	0.150 4.226	-0.010 -0.219	0.087 0.917	-0.006 -0.081	0.399 6.431	0.859 8.935	0.095 5.273	0.104 4.504
2778	ALTAL	870331	0.011 0.569	0.156 4.390	-0.019 -0.412	0.160 1.676	-0.043 -0.542	1.888 30.402	2.452 25.499	0.266 14.727	0.088 3.811
2825	ALTAL	870407	0.011 0.555	0.290 8.171	-0.005 -0.098	-0.060 -0.627	-0.010 -0.129	1.496 24.094	2.308 24.002	0.576 31.908	0.185 8.059
2835	ALTAL	870414									

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2494	ALTAL	870106	0.043 1.095	0.207 5.162	0.061 2.490
2531	ALTAL	870113	0.020 0.518	0.004 0.108	0.027 1.092
2563	ALTAL	870120	0.004 0.111	0.025 0.624	0.009 0.368
2590	ALTAL	870127	0.025 0.632	0.060 1.506	0.050 2.072
2610	ALTAL	870203	0.010 0.246	0.050 1.254	0.013 0.551
2614	ALTAL	870210	0.000 0.006	0.102 2.535	0.022 0.885
2681	ALTAL	870217	0.015 0.394	0.109 2.732	0.009 0.381
2682	ALTAL	870224	0.021 0.530	0.058 1.446	0.030 1.220
2700	ALTAL	870303	0.018 0.453	0.046 1.158	0.019 0.763
2736	ALTAL	870310	0.053 1.358	0.237 5.924	0.053 2.171
2757	ALTAL	870324	0.043 1.097	0.114 2.855	0.016 0.663
2778	ALTAL	870331	0.031 0.781	0.126 3.138	0.019 0.775
2825	ALTAL	870407	0.123 3.137	0.303 7.568	0.050 2.053
2835	ALTAL	870414			

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2857	ALTAL	870428		910	870505	900	870511			76.300	
2887	ALTAL	870505		900	870512	900	870519			1473.300	24.300
2900	ALTAL	870512		900	870519	930	870528	5	1.230	2072.000	12.500
2921	ALTAL	870519		935	870526	920	870602	1	0.350	606.300	25.700
2951	ALTAL	870602		900	870609	858	870616	1	0.070	107.800	32.400
2984	ALTAL	870609		900	870616	1115	870625	3	1.650	2960.700	6.400
2993	ALTAL	870616		1120	870623	942	870629	6	2.030	3675.900	17.900
3025	ALTAL	870623		950	870630	920	870707	2	1.600	2843.000	27.700
3044	ALTAL	870630		925	870707	900	870713	4	3.990	6757.600	6.200
3094	ALTAL	870721	20.00	915	870728	914	870803	3	1.220	2072.700	53.200
3107	ALTAL	870728		930	870804	840	870811	2	0.800	1349.700	63.900
3141	ALTAL	870804		830	870811	1130	870821			3077.300	24.000
3150	ALTAL	870811		1135	870818	955	870825	2	0.750	1366.400	14.500
3167	ALTAL	870818		1000	870825	1100	870902	1	1.050	1652.400	19.800
3182	ALTAL	870825		1200	870901	942	870908	1	0.150	287.200	42.900
3200	ALTAL	870901		1000	870908	850	870914	2	0.040	68.800	
3227	ALTAL	870908		853	870915	1021	870922	3	1.550	2635.700	33.100

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3256	ALTAL	870915		1022	870922	955	870929	3	0.600	2103.300	32.700
3277	ALTAL	870929		930	871006	1005	871014	1	1.550	2634.000	18.800
3311	ALTAL	871020		936	871027	915	871104	1	0.780	1275.400	30.400
3333	ALTAL	871103		935	871110	845	871117	1	0.450	744.100	16.500
3355	ALTAL	871110		845	871117	910	871125	1	2.450	4185.500	4.900
3389	ALTAL	871124		945	871201	855	871209	2	0.580	1062.000	11.400
3419	ALTAL	871208		900	871215	1100	880105	1	1.250	1997.600	23.000
3420	ALTAL	871215		1100	871222	834	880105	1		3132.000	10.500
3467	ALTAL	871222		835	871229	935	880108	3	1.000	1722.400	15.600
3488	ALTAL	871229			880105	1100	880120	4	1.300	2241.400	17.900

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PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

27-MAY-88

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2857	ALTAL	870428		3.000	3299.000	9999.000	9999.000	70.000	4.730		
2887	ALTAL	870505	4.410	3.000		1.048	1.049	475.000	4.380	48.900	21.747
2900	ALTAL	870512	4.620	3.000	32.000	1.022	1.070	550.000	4.600	31.100	12.270
2921	ALTAL	870519	4.370	3.000	313234.000	1.020	0.953	500.000	4.520	37.600	20.750
2951	ALTAL	870602	4.250	3.000	32.000	1.021	0.981	75.000	4.210	70.400	34.657
2984	ALTAL	870609	4.880	1.000	323334.000	0.993	1.058	480.000	4.930	15.500	6.255
2993	ALTAL	870616	4.460	3.000	3234.000	1.090	1.081	475.000	4.410	44.900	17.065
3025	ALTAL	870623	4.240	3.000		0.976	1.057	420.000	4.250	66.700	25.155
3044	ALTAL	870630	4.950	3.000		0.956	1.288	450.000	4.840	18.200	5.414
3094	ALTAL	870721	3.930	3.000	213334.000	1.050	1.032	450.000	3.900	141.100	56.084
3107	ALTAL	870728	3.860	3.000	32.000	1.027	1.041	525.000	3.930	130.500	55.157
3141	ALTAL	870804	4.370	3.000	3234.000	1.048	1.087	525.000	4.340	54.800	21.123
3150	ALTAL	870811	4.600	3.000		1.000	1.242	550.000	4.570	33.500	11.193
3167	ALTAL	870818	4.470			1.087	1.059	540.000	4.470	42.300	17.822
3182	ALTAL	870825	4.030	3.000		1.054	1.060	250.000	4.120	85.400	34.151
3200	ALTAL	870901			32.000	1.119	1.128	70.000	4.480	39.500	14.819
3227	ALTAL	870908	4.170	3.000	32.000	1.008	1.043	550.000	4.180	73.800	29.603

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3256	ALTAL	870915	4.230	3.000	32.000	1.090	1.000	525.000	4.220	71.700	30.022
3277	ALTAL	870929	4.590	3.000	32.000	1.013	1.062	530.000	4.520	38.400	15.938
3311	ALTAL	871020	4.260	13.000	32.000	1.034	1.056	470.000	4.330	56.800	22.163
3333	ALTAL	871103	4.580	3.000	3234.000	1.014	1.088	475.000	4.660	28.100	13.417
3355	ALTAL	871110	5.210		32.000	0.980	1.410	550.000	5.080	13.300	3.191
3389	ALTAL	871124	4.750		32.000	0.963	1.096	550.000	4.660	27.200	12.621
3419	ALTAL	871208	4.710	3.000		1.009	1.117	550.000	4.420	42.200	20.332
3420	ALTAL	871215	4.750		32.000	0.943	1.214	550.000	4.750	21.400	8.262
3467	ALTAL	871222	4.600		32.000	1.036	1.158	550.000	4.500	36.200	14.824
3488	ALTAL	871229	4.790			1.003	1.151	410.000	4.530	31.500	14.298

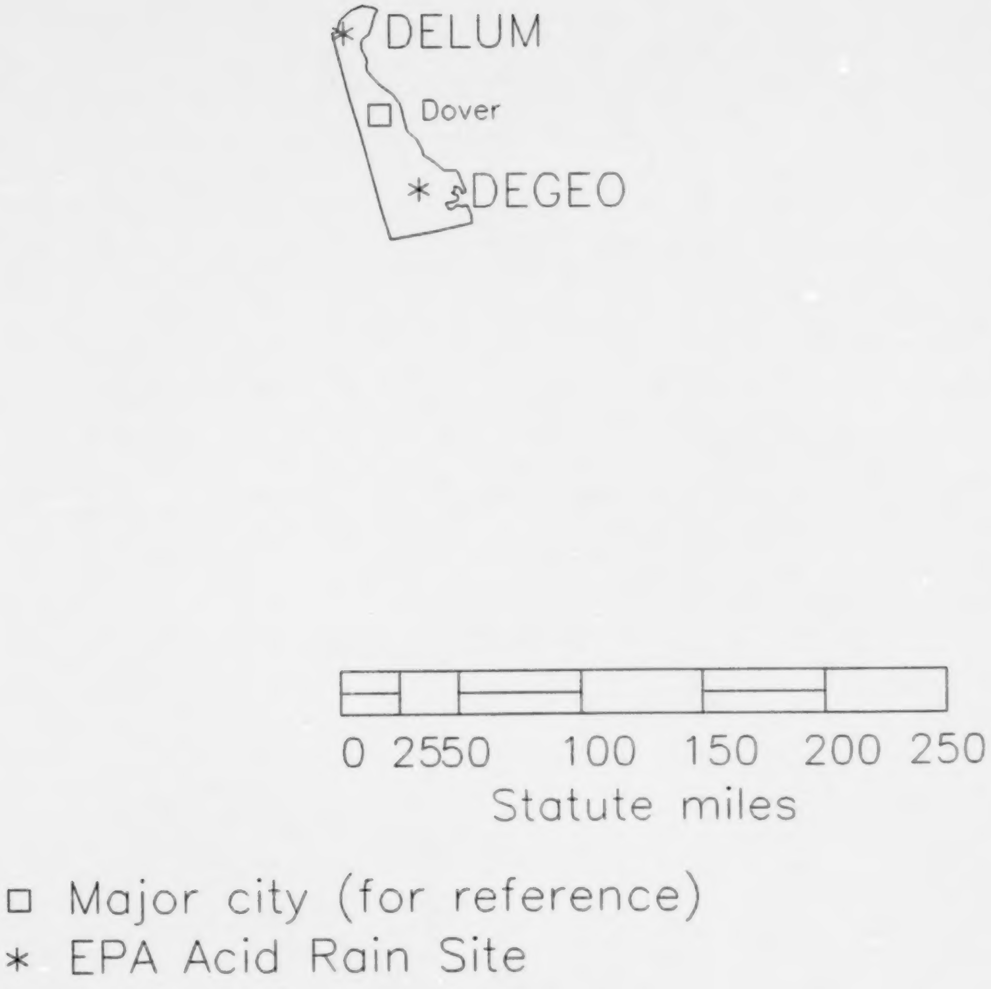
ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2857	ALTAL	870428									
2887	ALTAL	870505	0.015	0.168	-0.032	0.056	-0.066	1.423	2.348	0.496	0.090
			0.765	4.726	-0.688	0.591	-0.827	22.907	24.422	27.456	3.906
2900	ALTAL	870512	-0.016	0.117	-0.005	0.077	-0.014	0.950	1.069	0.205	0.060
			-0.863	3.294	-0.114	0.809	-0.170	15.293	11.116	11.362	2.624
2921	ALTAL	870519	-0.037	0.163	-0.015	-0.059	-0.005	1.686	2.259	0.657	0.085
			-1.969	4.609	-0.333	-0.621	-0.061	27.137	23.498	36.424	3.712
2951	ALTAL	870602	0.062	0.440	-0.008	-0.063	-0.005	2.394	3.210	0.308	0.348
			3.284	12.410	-0.176	-0.657	-0.057	38.550	33.388	17.090	15.139
2984	ALTAL	870609	0.006	0.098	-0.005	-0.054	-0.018	0.503	0.592	0.108	0.059
			0.322	2.769	-0.105	-0.568	-0.229	8.101	6.157	6.010	2.585
2993	ALTAL	870616	0.012	0.154	-0.004	0.046	-0.023	0.973	1.601	0.111	0.078
			0.606	4.353	-0.080	0.484	-0.292	15.667	16.646	6.143	3.380
3025	ALTAL	870623	0.026	0.076	-0.004	-0.021	-0.007	1.106	2.551	0.284	0.024
			1.394	2.150	-0.083	-0.222	-0.082	17.807	26.530	15.710	1.057
3044	ALTAL	870630	0.006	0.082	-0.002	-0.054	-0.005	0.403	0.532	0.073	0.049
			0.338	2.319	-0.050	-0.572	-0.062	6.488	5.536	4.069	2.127
3094	ALTAL	870721	0.043	0.176	-0.007	-0.074	-0.010	2.222	5.703	0.249	0.051
			2.237	4.975	-0.150	-0.781	-0.123	35.778	59.313	13.797	2.230
3107	ALTAL	870728	0.053	0.136	-0.001	-0.081	-0.008	2.458	6.044	0.710	0.013
			2.766	3.829	-0.030	-0.852	-0.097	39.567	62.853	39.356	0.555
3141	ALTAL	870804	-0.004	0.121	-0.005	-0.067	-0.003	1.325	2.305	0.232	0.062
			-0.219	3.400	-0.102	-0.705	-0.043	21.338	23.972	12.831	2.708
3150	ALTAL	870811	-0.005	0.121	-0.003	-0.077	-0.004	0.736	1.398	0.198	0.059
			-0.273	3.413	-0.064	-0.804	-0.055	11.854	14.542	10.975	2.567
3167	ALTAL	870818	0.022	0.211	-0.002	-0.084	-0.008	1.490	1.860	0.157	0.163
			1.172	5.936	-0.045	-0.882	-0.097	23.982	19.348	8.686	7.106
3182	ALTAL	870825	0.028	0.154	-0.005	-0.072	-0.010	1.589	3.619	0.313	0.051
			1.497	4.341	-0.107	-0.761	-0.127	25.575	37.639	17.338	2.214
3200	ALTAL	870901	0.021	0.107	-0.006	0.120	-0.015	1.293	1.314	0.091	0.061
			1.096	3.028	-0.125	1.257	-0.187	20.816	13.662	5.031	2.641
3227	ALTAL	870908	0.014	0.123	-0.001	-0.053	-0.007	1.362	2.897	0.262	0.044
			0.749	3.478	-0.013	-0.559	-0.090	21.928	30.130	14.492	1.930

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3256	ALTAL	870915	0.018	0.201	-0.002	-0.076	-0.008	1.821	2.888	0.272	0.098
			0.943	5.658	-0.047	-0.797	-0.095	29.313	30.038	15.079	4.267
3277	ALTAL	870929	0.014	0.151	-0.004	-0.079	-0.008	0.816	1.982	0.210	0.080
			0.741	4.263	-0.086	-0.832	-0.095	13.134	20.609	11.612	3.501
3311	ALTAL	871020	0.016	0.249	-0.002	-0.033	-0.030	1.456	2.055	0.207	0.177
			0.819	7.034	-0.042	-0.348	-0.377	23.447	21.371	11.456	7.682
3333	ALTAL	871103	0.010	1.032	-0.002	-0.063	-0.017	0.731	1.056	0.055	0.596
			0.542	29.111	-0.054	-0.660	-0.211	11.777	10.978	3.073	25.915
3355	ALTAL	871110	-0.002	0.172	-0.014	-0.087	-0.009	0.295	0.291	0.022	0.098
			-0.109	4.846	-0.315	-0.914	-0.119	4.755	3.030	1.236	4.262
3389	ALTAL	871124	-0.006	0.800	-0.005	0.017	-0.024	0.600	1.094	0.113	0.471
			-0.307	22.574	-0.117	0.176	-0.300	9.654	11.378	6.263	20.473
3419	ALTAL	871208	0.009	0.831	-0.003	-0.005	-0.008	1.213	2.111	0.227	0.504
			0.468	23.426	-0.060	-0.057	-0.103	19.530	21.957	12.592	21.921
3420	ALTAL	871215	-0.000	0.461	-0.003	-0.006	-0.008	0.364	0.804	0.076	0.253
			-0.022	13.001	-0.056	-0.059	-0.106	5.862	8.357	4.183	10.987
3467	ALTAL	871222	-0.006	0.571	-0.007	0.008	-0.016	0.807	1.518	0.098	0.348
			-0.341	16.099	-0.147	0.086	-0.201	12.997	15.783	5.423	15.151
3488	ALTAL	871229	-0.003	0.826	-0.007	0.013	-0.021	0.782	1.147	0.048	0.471
			-0.155	23.306	-0.161	0.140	-0.262	12.585	11.934	2.647	20.493

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2857	ALTAL	870428			
2887	ALTAL	870505	0.036	0.010	0.016
			0.914	0.249	0.672
2900	ALTAL	870512	0.024	0.039	0.011
			0.606	0.965	0.462
2921	ALTAL	870519	0.110	0.049	0.023
			2.811	1.222	0.947
2951	ALTAL	870602	0.086	0.349	0.069
			2.198	8.710	2.841
2984	ALTAL	870609	0.014	0.042	0.012
			0.358	1.048	0.499
2993	ALTAL	870616	0.005	0.032	0.013
			0.129	0.810	0.517
3025	ALTAL	870623	0.025	0.050	0.008
			0.652	1.237	0.328
3044	ALTAL	870630	-0.001	-0.034	0.008
			-0.026	-0.846	0.318
3094	ALTAL	870721	0.040	0.207	0.023
			1.012	5.156	0.962
3107	ALTAL	870728	0.007	0.189	0.018
			0.191	4.725	0.726
3141	ALTAL	870804	0.016	0.133	0.019
			0.397	3.309	0.764
3150	ALTAL	870811	0.045	0.032	0.017
			1.154	0.789	0.718
3167	ALTAL	870818	0.033	0.213	0.041
			0.846	5.316	1.695
3182	ALTAL	870825	0.026	0.098	0.013
			0.675	2.445	0.515
3200	ALTAL	870901	0.012	0.159	0.016
			0.311	3.979	0.670
3227	ALTAL	870908	0.010	0.056	0.011
			0.257	1.396	0.432

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3256	ALTAL	870915	0.016	0.133	0.024
			0.413	3.318	1.007
3277	ALTAL	870929	0.259	0.079	0.037
			6.632	1.983	1.505
3311	ALTAL	871020	0.024	0.068	0.026
			0.608	1.699	1.083
3333	ALTAL	871103	0.032	0.087	0.081
			0.809	2.182	3.338
3355	ALTAL	871110	0.006	0.020	0.013
			0.164	0.494	0.549
3389	ALTAL	871124	0.028	0.065	0.064
			0.719	1.633	2.634
3419	ALTAL	871208	0.044	0.157	0.067
			1.118	3.915	2.745
3426	ALTAL	871215	0.016	0.037	0.032
			0.410	0.928	1.334
3467	ALTAL	871222	0.027	0.056	0.042
			0.680	1.402	1.725
3488	ALTAL	871229	0.029	0.043	0.058
			0.747	1.083	2.367

Delaware


DELUM
Dover
DEGEO
0 2550 100 150 200 250
Statute miles
□ Major city (for reference)
* EPA Acid Rain Site

DELAWARE

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD[1] BEGIN	END	#SAMPLES	%NON-VOID[2]
DEGEO	Georgetown	Georgetown	Sussex			46	100
DELUM	Lum's Pond	Newark	New Castle			45	97.8

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: DEGEO

Data Plots, Jan '87 - Dec '87

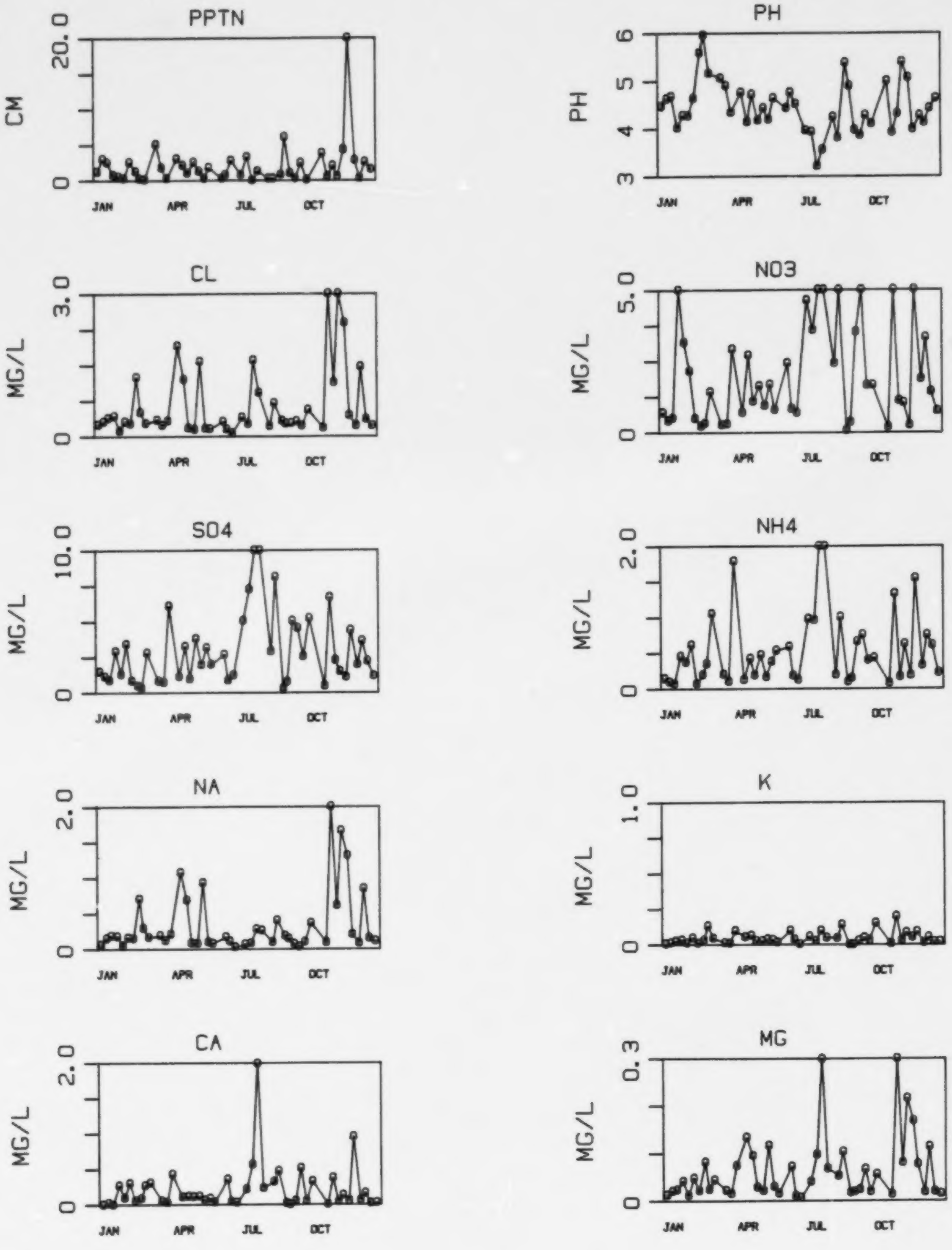
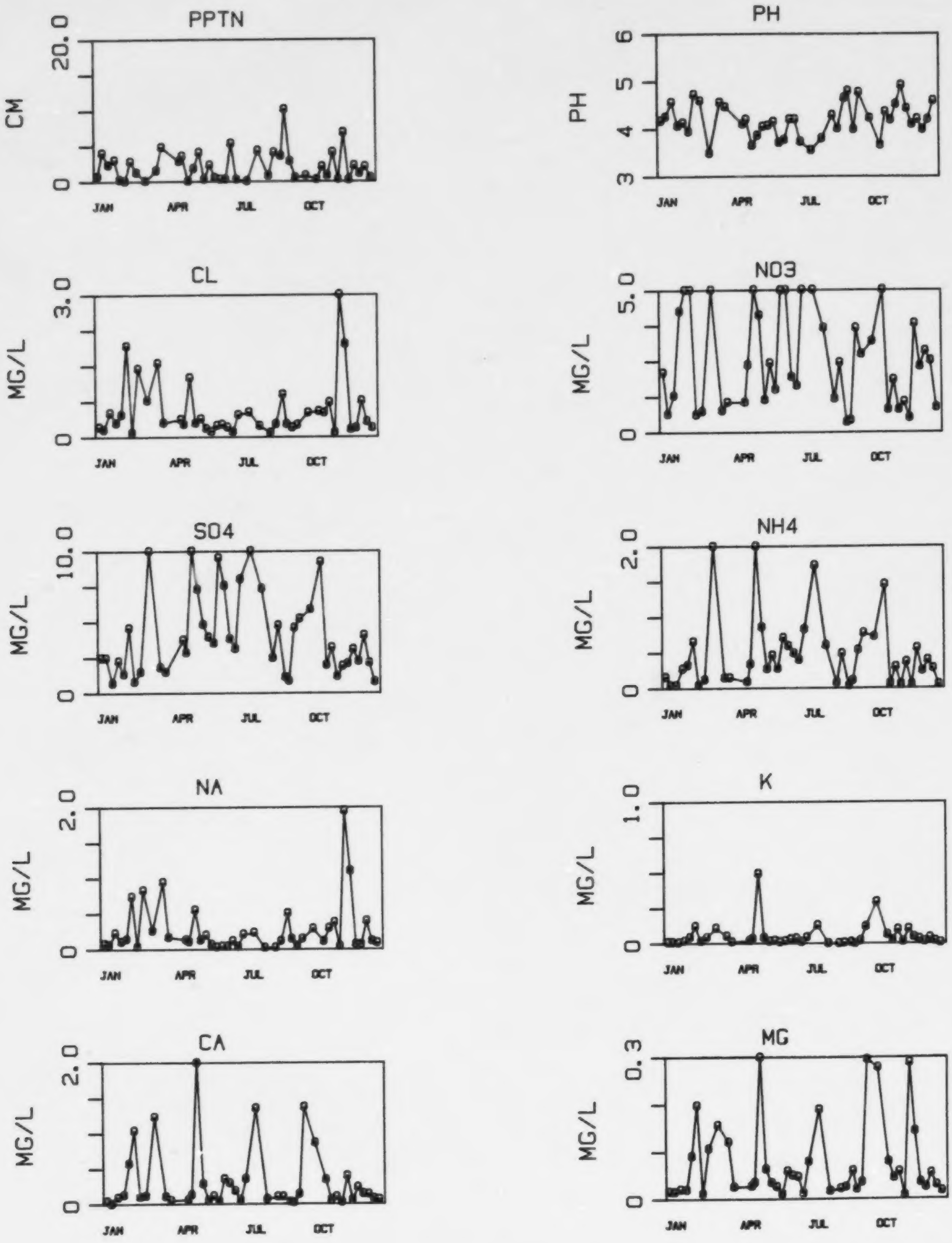


Figure 2-1 (continued)

SITE: DELUM

Data Plots, Jan '87 - Dec '87



PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2539	DEGEO	870106		1100	870113	1030	870128	1	0.50	856.20	16.6
2540	DEGEO	870113		1030	870119	1130	870128	2	1.20	2114.90	11.3
2586	DEGEO	870127	1.00	1400	870203	1130	870210	1	0.30	209.00	49.9
2594	DEGEO	870119	1.00	1130	870127	1400	870212	1	1.00	2819.60	11.4
2638	DEGEO	870203	1.00	1130	870210	1300	870224	1	0.20	219.20	27.8
2639	DEGEO	870210	1.00	1300	870217	1400	870225	1	0.10	160.40	34.0
2677	DEGEO	870225		1212	870302	1445	870316	2	0.50	870.60	8.3
2683	DEGEO	870302		1450	870309	1050	870317	1		152.00	7.6
2724	DEGEO	870217	1.00	1400	870225	1212	870326	2	1.00	1823.20	10.3
2779	DEGEO	870309		1130	870317	1140	870414			87.60	
2780	DEGEO	870331		1400	870407	1350	870414	2	0.70	1363.70	8.5
2826	DEGEO	870407		1355	870414	1300	870422	1	0.10	223.10	48.4
2845	DEGEO	870420		1125	870428	1050	870505	3	1.20	1264.90	16.6

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2539	DEGEO	870106	4.36	3		1.15	1.04	550.0	4.47	42.0	15.7
2540	DEGEO	870113	4.88			1.08	1.11	550.0	4.63	30.8	10.9
2586	DEGEO	870127	3.65	3		1.09	0.95	130.0	4.02	108.3	50.5
2594	DEGEO	870119	4.65			1.07	1.14	550.0	4.68	26.4	9.6
2638	DEGEO	870203	4.37	3		1.00	1.06	100.0	4.28	57.5	24.7
2639	DEGEO	870210	4.28	3		1.01	1.03	85.0	4.27	60.6	30.6
2677	DEGEO	870225	5.70	3		0.87	1.15	425.0	5.59		6.7
2683	DEGEO	870302	6.34	3		0.50	1.29	42.0	5.96		4.4
2724	DEGEO	870217	4.85			0.93	1.41	575.0	4.64	29.2	8.1
2779	DEGEO	870309		3		1.01	1.05	85.0	5.16	11.5	14.6
2780	DEGEO	870331	5.03			1.11	1.19	550.0	4.90	18.0	6.3
2826	DEGEO	870407	4.18	3		1.00	1.04	150.0	4.34	56.8	38.1
2845	DEGEO	870420	4.77			1.00	1.10	130.0	4.76	22.4	15.2

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2539	DEGEO	870106	0.015	0.246	-0.006	0.046	0.075	0.706	1.477	0.144	0.063
			0.807	6.927	-0.123	0.482	0.935	11.365	15.359	8.002	2.754
2540	DEGEO	870113	0.011	0.306	-0.006	0.037	0.064	0.420	1.125	0.094	0.152
			0.562	8.642	-0.123	0.390	0.795	6.770	11.699	5.197	6.613
2586	DEGEO	870127	0.018	0.427	-0.124	0.039	-0.118	5.168	2.916	0.458	0.182
			0.952	12.039	-2.705	0.409	-1.475	83.199	30.329	25.347	7.911
2594	DEGEO	870119	-0.005	0.386	-0.073	0.036	-0.069	0.516	0.847	0.070	0.191
			-0.241	10.872	-1.578	0.373	-0.860	8.304	8.812	3.887	8.302
2638	DEGEO	870203	0.011	0.117	-0.003	-0.036	-0.006	3.163	1.277	0.374	0.052
			0.602	3.292	-0.069	-0.376	-0.072	50.927	13.284	20.694	2.265
2639	DEGEO	870210	0.020	0.311	-0.003	-0.036	0.058	2.159	3.416	0.616	0.165
			1.045	8.770	-0.066	-0.380	0.731	34.756	35.525	34.102	7.164
2677	DEGEO	870225	-0.002	1.251	-0.024	-0.143	-0.029	0.227	0.474	0.196	0.708
			-0.104	35.273	-0.529	-1.501	-0.359	3.658	4.928	10.870	30.788
2683	DEGEO	870302	-0.002	0.506	-0.029	-0.184	-0.031	0.331	0.327	0.351	0.298
			-0.081	14.283	-0.634	-1.932	-0.390	5.332	3.398	19.448	12.979
2724	DEGEO	870217	0.003	0.266	-0.002	0.073	-0.013	0.498	0.832	0.072	0.152
			0.147	7.512	-0.035	0.768	-0.159	8.012	8.656	3.988	6.612
2779	DEGEO	870309	0.019	0.276	0.093	0.052	-0.044	1.428	2.813	1.053	0.169
			1.021	7.778	2.011	0.551	-0.554	22.995	29.250	58.346	7.338
2780	DEGEO	870331	0.005	0.236	-0.019	0.070	-0.045	0.306	0.726	0.100	0.122
			0.257	6.655	-0.424	0.736	-0.566	4.932	7.550	5.549	5.317
2826	DEGEO	870407	0.028	0.326	-0.005	-0.060	-0.009	2.920	6.088	1.790	0.211
			1.461	9.187	-0.102	-0.633	-0.119	47.020	63.313	99.145	9.172
2845	DEGEO	870420	0.006	1.908	-0.007	-0.059	-0.013	0.707	1.135	0.124	1.075
			0.301	53.798	-0.159	-0.619	-0.157	11.387	11.808	6.886	46.780

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2539	DEGEO	870106	0.007	-0.022	0.013
			0.171	-0.554	0.528
2540	DEGEO	870113	0.014	0.023	0.021
			0.362	0.562	0.860
2586	DEGEO	870127	0.034	0.271	0.042
			0.878	6.757	1.712
2594	DEGEO	870119	0.025	0.001	0.023
			0.648	0.025	0.964
2638	DEGEO	870203	0.011	0.100	0.012
			0.281	2.485	0.485
2639	DEGEO	870210	0.047	0.302	0.048
			1.212	7.544	1.979
2677	DEGEO	870225	0.031	0.087	0.081
			0.793	2.179	3.345
2683	DEGEO	870302	0.130	0.271	0.024
			3.327	6.764	0.986
2724	DEGEO	870217	0.009	0.056	0.021
			0.241	1.391	0.882
2779	DEGEO	870309	0.045	0.310	0.044
			1.139	7.725	1.813
2780	DEGEO	870331	0.008	0.030	0.015
			0.207	0.757	0.620
2826	DEGEO	870407	0.096	0.429	0.074
			2.444	10.701	3.055
2845	DEGEO	870420	0.054	0.110	0.134
			1.373	2.737	5.499

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2865	DEGEO	870324		1145	870331	1350	870512	3	2.000	3275.300	7.800
2871	DEGEO	870428		1100	870504	1130	870513	2		1441.500	41.200
2883	DEGEO	870504		1135	870512	1215	870518			680.300	12.000
2910	DEGEO	870512		1225	870519	1115	870529	2	1.000	1864.500	38.100
2922	DEGEO	870519		1120	870526	1027	870602	3	0.500	768.100	25.700
2952	DEGEO	870526		1030	870601	1145	870616	2	0.100	258.200	31.300
2976	DEGEO	870601		1150	870609	1400	870624	2	0.700	1340.100	15.400
2977	DEGEO	870609		1148	870618	1330	870624	2		775.500	40.200
2994	DEGEO	870618		1335	870623	1107	870629	2	0.100	46.900	
3026	DEGEO	870623		1110	870630	1230	870707	1	0.300	546.300	11.400
3072	DEGEO	870630		1235	870707	1135	870722	3	1.100	2774.900	14.100
3095	DEGEO	870713		1105	870721	1000	870803	3	0.300	700.800	59.300
3096	DEGEO	870721		1000	870728	1245	870803	3	1.300		61.400
3126	DEGEO	870728		1250	870804	1145	870813	1		17.100	
3142	DEGEO	870804		1150	870811	1200	870821	2	0.500	853.400	144.000
3168	DEGEO	870818		1015	870824	1115	870902	1	0.100	153.500	31.900
3187	DEGEO	870824		1115	870903	1030	870910	3	0.100	151.200	75.900

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3213	DEGEO	870903		1035	870908	1045	870918	1	0.300	603.300	4.100
3228	DEGEO	870908		1050	870915	1210	870922	3	2.400	4064.500	8.400
3257	DEGEO	870915		1215	870922	1030	870929	3	0.400	450.100	57.200
3268	DEGEO	870922		1035	870929	1355	871007	1	0.100	220.900	71.800
3292	DEGEO	870929		1355	871007	1130	871027	3		1658.400	28.800
3293	DEGEO	871007		1135	871013	1130	871027			24.400	
3329	DEGEO	871027		1330	871103	1340	871113	1	1.500	2697.000	5.500
3334	DEGEO	871103		1400	871110	1155	871117	1	0.200	286.900	92.000
3366	DEGEO	871110	2.00	1200	871116	1330	871130	2	0.800	1167.900	29.000
3367	DEGEO	871116		1340	871124	1350	871130	2	0.200	407.400	19.000
3396	DEGEO	871124		1400	871130	1320	871210	3	1.700	3138.900	222.700
3402	DEGEO	871130		130	871209	1150	871215	2	42.000	52.500	
3421	DEGEO	871209		1155	871215	1130	880105	3	1.100	1844.900	26.200
3490	DEGEO	871215	1.00	1135	871222	1130	880120	1	0.100	219.600	45.000
3491	DEGEO	871222	1.00	1135	871230	1350	880120	4	1.000	1465.100	20.000
3492	DEGEO	871230	1.00	1350	880105	1130	880120	3	0.600	985.100	12.000

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2865	DEGEO	870324	5.040			1.003	1.140	550.000	5.060	13.300	6.196
2871	DEGEO	870428	3.990	3.000		1.040	0.958	475.000	4.140	83.500	42.061
2883	DEGEO	870504	4.600	3.000		1.061	1.075	550.000	4.720	23.500	10.607
2910	DEGEO	870512	4.120	3.000		1.042	1.002	550.000	4.170	75.700	34.329
2922	DEGEO	870519	4.280			1.008	0.996	550.000	4.430	46.300	24.146
2952	DEGEO	870526	4.200			1.052	1.009	130.000	4.190	73.100	32.015
2976	DEGEO	870601	4.500			1.001	1.100	550.000	4.640	27.600	13.642
2977	DEGEO	870609	4.270	3.000	34.000	1.013	1.017	550.000	4.200	74.500	36.870
2994	DEGEO	870618		3.000		1.032	0.995	42.000	4.430		25.273
3026	DEGEO	870623	4.730			1.067	1.090	450.000	4.760	23.700	9.272
3072	DEGEO	870630	4.450			0.981	1.138	550.000	4.520	35.700	12.371
3095	DEGEO	870713	4.010	3.000		1.065	1.006	550.000	3.960	123.100	57.166
3096	DEGEO	870721	3.890	3.000		1.037	1.045	500.000	3.930	128.400	60.830
3126	DEGEO	870728				1.125	0.989	15.000	3.210		326.091
3142	DEGEO	870804	3.570	3.000		1.072	0.962	550.000	3.560	298.000	145.573
3168	DEGEO	870818	4.210	3.000		1.144	0.995	70.000	4.240	73.800	30.410
3187	DEGEO	870824	3.860	3.000		1.076	0.968	50.000	3.810		84.856

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3213	DEGEO	870903	5.420			0.847	1.122	440.000	5.380	9.900	3.281
3228	DEGEO	870908	4.880			1.014	1.170	550.000	4.890	19.200	6.583
3257	DEGEO	870915	3.870	3.000		1.131	0.945	240.000	3.970	126.000	56.259
3268	DEGEO	870922	4.010	3.000		1.058	0.939	130.000	3.860	160.800	73.941
3292	DEGEO	870929	4.140	3.000		1.032	1.048	550.000	4.280	59.500	25.602
3293	DEGEO	871007		3.000		1.067	0.978	20.000	4.100		44.260
3329	DEGEO	871027	4.920			0.919	1.546	550.000	4.990	13.800	3.540
3336	DEGEO	871103	4.150	3.000		0.999	0.935	220.000	3.920	138.600	88.269
3366	DEGEO	871110	4.390			1.048	1.040	550.000	4.310	56.200	25.893
3367	DEGEO	871116	5.030	3.000		0.963	1.023	335.000	5.390	9.700	18.749
3396	DEGEO	871124	4.980			1.010	1.056	550.000	5.060	11.700	14.068
3402	DEGEO	871130		3.000		1.026	1.030	42.000	3.980		63.574
3421	DEGEO	871209	4.300			1.006	1.116	550.000	4.270	59.300	23.478
3490	DEGEO	871215	4.120	3.000		1.001	1.069	150.000	4.120	76.300	42.290
3491	DEGEO	871222	4.130			0.996	1.139	550.000	4.420	39.900	19.494
3492	DEGEO	871230	4.500			1.005	1.250	550.000	4.630	27.000	10.174

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	N02 ug/ml umoles/l	P04 ug/ml umoles/l	BR ug/ml umoles/l	N03 ug/ml umoles/l	S04 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2865	DEGEO	870324	-0.003	0.347	-0.014	0.055	-0.041	0.275	0.819	0.201	0.193
			-0.145	9.782	-0.309	0.581	-0.519	4.432	8.515	11.122	8.403
2871	DEGEO	870428	0.011	1.201	-0.018	-0.038	-0.052	2.706	3.272	0.424	0.689
			0.556	33.871	-0.381	-0.395	-0.656	43.573	34.029	23.462	29.978
2883	DEGEO	870504	0.005	0.179	-0.030	0.045	-0.071	1.084	0.972	0.190	0.088
			0.243	5.057	-0.647	0.476	-0.887	17.453	10.113	10.549	3.820
2910	DEGEO	870512	-0.030	0.142	-0.010	-0.052	-0.011	1.635	3.802	0.474	0.080
			-1.590	4.007	-0.225	-0.544	-0.133	26.326	39.542	26.235	3.467
2922	DEGEO	870519	-0.036	1.582	-0.015	-0.059	-0.005	0.943	1.968	0.164	0.930
			-1.890	44.620	-0.327	-0.615	-0.059	15.182	20.470	9.095	40.454
2952	DEGEO	870526	0.036	0.166	-0.008	0.071	-0.004	1.690	3.165	0.378	0.100
			1.915	4.668	-0.176	0.748	-0.055	27.206	32.917	20.950	4.349
2976	DEGEO	870601	0.009	0.154	-0.006	-0.069	-0.013	0.798	1.986	0.534	0.079
			0.450	4.344	-0.133	-0.722	-0.159	12.846	20.653	29.566	3.416
2977	DEGEO	870609	0.032	0.268	-0.006	-0.067	-0.013	1.832	4.747	0.997	0.136
			1.683	7.560	-0.130	-0.708	-0.165	29.496	49.366	55.231	5.927
2994	DEGEO	870618	0.045	0.311	-0.003	-0.037	-0.025	2.430	2.680	0.588	0.171
			2.364	8.775	-0.072	-0.387	-0.311	39.119	27.869	32.556	7.447
3026	DEGEO	870623	0.011	0.149	-0.004	0.071	-0.006	0.834	0.861	0.184	0.112
			0.555	4.190	-0.081	0.749	-0.081	13.432	8.950	10.170	4.863
3072	DEGEO	870630	0.009	0.066	-0.011	-0.053	-0.017	0.694	1.221	0.121	0.027
			0.472	1.874	-0.231	-0.557	-0.212	11.168	12.703	6.676	1.167
3095	DEGEO	870713	0.033	0.400	-0.006	-0.076	-0.009	4.628	5.059	0.976	0.067
			1.726	11.283	-0.130	-0.794	-0.118	74.516	52.618	54.052	2.936
3096	DEGEO	870721	0.034	0.265	-0.006	-0.076	-0.009	3.585	7.241	0.960	0.084
			1.769	7.465	-0.123	-0.799	-0.116	57.723	75.305	53.166	3.635
3126	DEGEO	870728	0.268	1.606	-0.011	-0.076	-0.018	19.735	34.855	4.159	0.281
			14.130	45.280	-0.243	-0.799	-0.232	317.737	362.497	230.421	12.237
3142	DEGEO	870804	-0.004	0.916	-0.005	-0.068	-0.003	6.517	15.317	2.106	0.263
			-0.224	25.826	-0.098	-0.713	-0.044	104.916	159.295	116.696	11.442
3168	DEGEO	870818	0.027	0.221	-0.002	-0.083	-0.008	2.417	2.904	0.195	0.097
			1.440	6.223	-0.049	-0.875	-0.099	38.914	30.201	10.779	4.232
3187	DEGEO	870824	0.054	0.699	-0.005	-0.072	-0.009	5.626	8.117	1.003	0.404
			2.866	19.709	-0.109	-0.761	-0.114	90.584	84.419	55.553	17.589

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3213	DEGEO	870903	-0.002	0.330	-0.000	-0.069	-0.010	0.082	0.303	0.096	0.188
			-0.114	9.304	-0.009	-0.725	-0.119	1.315	3.150	5.301	8.181
3228	DEGEO	870908	0.002	0.271	-0.001	-0.051	-0.007	0.366	0.749	0.145	0.149
			0.119	7.639	-0.013	-0.540	-0.087	5.890	7.790	8.028	6.496
3257	DEGEO	870915	0.025	0.274	-0.002	-0.077	-0.007	3.515	5.048	0.656	0.074
			1.297	7.735	-0.047	-0.805	-0.089	56.598	52.494	36.321	3.210
3268	DEGEO	870922	0.039	0.315	-0.004	-0.080	-0.009	7.368	4.542	0.754	0.030
			2.065	8.888	-0.084	-0.843	-0.108	118.627	47.239	41.764	1.304
3292	DEGEO	870929	-0.003	0.225	-0.062	-0.016	-0.034	1.652	2.544	0.397	0.101
			-0.164	6.359	-1.341	-0.166	-0.429	26.596	26.457	22.010	4.412
3293	DEGEO	871007	0.031	0.552	-0.060	-0.017	-0.034	1.661	5.223	0.430	0.362
			1.610	15.573	-1.306	-0.176	-0.425	26.744	54.322	23.834	15.761
3329	DEGEO	871027	0.009	0.174	-0.002	-0.060	-0.018	0.183	0.459	0.072	0.094
			0.456	4.914	-0.054	-0.626	-0.230	2.953	4.776	3.985	4.095
3334	DEGEO	871103	0.080	4.337	-0.002	-0.064	-0.017	5.561	6.674	1.326	2.528
			4.201	122.303	-0.054	-0.667	-0.207	89.536	69.407	73.469	109.966
3366	DEGEO	871110	-0.003	1.136	0.020	-0.042	-0.009	1.113	2.281	0.163	0.613
			-0.161	32.036	0.439	-0.445	-0.108	17.924	23.722	9.010	26.682
3367	DEGEO	871116	-0.003	3.004	-0.009	-0.036	-0.009	1.036	1.480	0.621	1.661
			-0.169	84.713	-0.197	-0.378	-0.107	16.673	15.388	34.404	72.260
3396	DEGEO	871124	-0.007	2.380	-0.023	0.022	-0.038	0.252	1.077	0.180	1.310
			-0.360	67.125	-0.500	0.226	-0.481	4.056	11.202	9.975	56.991
3402	DEGEO	871130	0.054	0.434	0.041	0.008	-0.006	9.519	4.374	1.541	0.204
			2.833	12.252	0.881	0.079	-0.070	153.249	45.489	85.363	8.856
3421	DEGEO	871209	0.012	0.222	0.010	-0.006	0.133	1.868	1.957	0.321	0.081
			0.636	6.273	0.221	-0.060	1.666	30.075	20.356	17.766	3.519
3490	DEGEO	871215	0.028	1.462	-0.007	0.012	-0.019	3.314	3.629	0.748	0.845
			1.470	41.240	-0.159	0.127	-0.242	53.349	37.737	41.449	36.738
3491	DEGEO	871222	0.015	0.360	-0.028	0.017	-0.050	1.421	2.198	0.603	0.152
			0.785	10.141	-0.600	0.181	-0.628	22.879	22.860	33.397	6.620
3492	DEGEO	871230	0.011	0.222	-0.031	0.021	-0.055	0.744	1.151	0.219	0.113
			0.563	6.246	-0.664	0.217	-0.693	11.975	11.966	12.157	4.924

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2865	DEGEO	870324	0.012	0.052	0.022
			0.315	1.297	0.919
2871	DEGEO	870428	0.064	0.118	0.095
			1.628	2.940	3.916
2883	DEGEO	870504	0.026	0.112	0.029
			0.675	2.793	1.185
2910	DEGEO	870512	0.024	0.119	0.022
			0.615	2.968	0.886
2922	DEGEO	870519	0.037	0.063	0.116
			0.944	1.569	4.776
2952	DEGEO	870526	0.033	0.087	0.030
			0.850	2.171	1.217
2976	DEGEO	870601	0.015	0.032	0.016
			0.389	0.788	0.640
2977	DEGEO	870609	0.075	0.148	0.034
			1.931	3.681	1.403
2994	DEGEO	870618	0.097	0.353	0.072
			2.472	8.800	2.946
3026	DEGEO	870623	0.035	0.038	0.010
			0.897	0.960	0.430
3072	DEGEO	870630	0.004	0.027	0.006
			0.093	0.671	0.243
3095	DEGEO	870713	0.055	0.215	0.040
			1.414	5.360	1.651
3096	DEGEO	870721	0.024	0.562	0.097
			0.625	14.011	3.991
3126	DEGEO	870728	0.097	1.995	0.299
			2.481	49.770	12.316
3142	DEGEO	870804	0.048	0.231	0.068
			1.217	5.770	2.792
3168	DEGEO	870818	0.044	0.322	0.052
			1.137	8.033	2.154
3187	DEGEO	870824	0.138	0.472	0.103
			3.524	11.788	4.231

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3213	DEGEO	870903	-0.001	0.019	0.017
			-0.037	0.466	0.716
3228	DEGEO	870908	-0.002	0.001	0.019
			-0.039	0.015	0.765
3257	DEGEO	870915	0.026	0.052	0.023
			0.677	1.299	0.961
3268	DEGEO	870922	0.048	0.510	0.066
			1.218	12.726	2.733
3292	DEGEO	870929	0.030	0.051	0.019
			0.774	1.265	0.780
3293	DEGEO	871007	0.150	0.327	0.055
			3.833	8.150	2.279
3329	DEGEO	871027	0.006	-0.008	0.013
			0.153	-0.206	0.540
3334	DEGEO	871103	0.196	0.377	0.350
			5.015	9.400	14.400
3366	DEGEO	871110	0.029	0.037	0.080
			0.752	0.920	3.273
3367	DEGEO	871116	0.084	0.132	0.216
			2.151	3.289	8.871
3396	DEGEO	871124	0.050	0.053	0.168
			1.270	1.317	6.913
3402	DEGEO	871130	0.089	0.952	0.076
			2.275	23.749	3.141
3421	DEGEO	871209	0.012	0.058	0.017
			0.319	1.445	0.717
3490	DEGEO	871215	0.051	0.157	0.113
			1.297	3.917	4.663
3491	DEGEO	871222	0.017	0.015	0.019
			0.444	0.384	0.771
3492	DEGEO	871230	0.021	0.024	0.014
			0.531	0.587	0.588

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2532	DELUM	870106		1210	870112	1200	870126	1	0.30	433.20	29.1
2533	DELUM	870112		1200	870120	1132	870126	2	1.60	2953.80	16.5
2587	DELUM	870120		1132	870128	1200	870210			1590.70	
2591	DELUM	870128	1.00	1200	870204	1115	870211	2	1.20	427.50	44.7
2635	DELUM	870211	1.00	1345	870218	1235	870224	1		40.90	
2665	DELUM	870204	1.00	840	870211	1345	870305	2	0.10	45.70	
2684	DELUM	870226		1345	870303	1130	870317	2	0.50	781.40	18.7
2685	DELUM	870303		1130	870310	1115	870317	1		22.20	
2729	DELUM	870218	1.00	1235	870226	1345	870326	2	1.10	2541.10	17.5
2781	DELUM	870310		1115	870317	1400	870414			47.10	
2782	DELUM	870324		1141	870331	1328	870414	2	0.60	1598.00	21.6
2783	DELUM	870331	2.00	1328	870407	1133	870414	3	1.90	3253.10	18.5

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2532	DELUM	870106	4.09	3		1.14	1.03	275.0	4.17	75.4	30.4
2533	DELUM	870112	4.33			1.09	1.06	575.0	4.25	62.3	23.6
2587	DELUM	870120	4.54	3		1.11	1.07	550.0	4.56	32.8	13.5
2591	DELUM	870128	3.72	3		1.11	0.96	275.0	4.06	103.4	43.2
2635	DELUM	870211				1.09	0.94	42.0	3.94		73.0
2665	DELUM	870204		3		1.09	1.00	42.0	4.13		40.0
2684	DELUM	870226	4.49	3		0.99	1.09	550.0	4.59	30.7	16.9
2685	DELUM	870303		3	99	9999.00	9999.00	20.0	3.96		
2729	DELUM	870218	4.56	3		1.07	1.19	575.0	4.72	22.8	8.0
2781	DELUM	870310		3		1.08	1.04	42.0	3.48		169.6
2782	DELUM	870324	4.65	3		1.02	1.05	550.0	4.55	34.9	19.7
2783	DELUM	870331	4.55	3		1.03	1.08	550.0	4.46	40.1	16.2

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2532	DELUM	870106	0.019	0.209	-0.010	0.035	0.048	2.105	2.467	0.157	0.075
			1.024	5.889	-0.225	0.363	0.603	33.890	25.656	8.693	3.246
2533	DELUM	870112	-0.003	0.152	-0.009	0.035	0.093	0.639	2.452	0.043	0.061
			-0.172	4.274	-0.201	0.372	1.170	10.287	25.502	2.404	2.635
2587	DELUM	870120	0.012	0.512	-0.116	0.042	-0.110	1.281	0.682	0.044	0.227
			0.651	14.441	-2.517	0.441	-1.372	20.631	7.092	2.431	9.864
2591	DELUM	870128	0.019	0.292	-0.090	0.033	0.097	4.249	2.253	0.272	0.106
			0.991	8.248	-1.954	0.344	1.217	68.409	23.428	15.095	4.592
2635	DELUM	870211	0.058	1.920	-0.004	0.073	-0.005	7.563	4.566	0.653	0.739
			3.074	54.142	-0.078	0.763	-0.065	121.766	47.487	36.196	32.149
2665	DELUM	870204	0.041	0.470	-0.010	-0.045	-0.024	6.409	1.322	0.321	0.143
			2.159	13.263	-0.216	-0.474	-0.295	103.190	13.744	17.800	6.228
2684	DELUM	870226	-0.001	1.438	-0.030	-0.189	-0.031	0.730	1.484	0.119	0.829
			-0.078	40.545	-0.647	-1.986	-0.394	11.759	15.434	6.618	36.046
2685	DELUM	870303									
2729	DELUM	870218	0.007	0.089	-0.002	0.071	-0.014	0.617	0.778	0.041	0.036
			0.345	2.503	-0.046	0.747	-0.174	9.927	8.092	2.286	1.548
2781	DELUM	870310	0.048	0.770	-0.022	-0.042	-0.043	23.489	10.439	2.829	0.259
			2.513	21.707	-0.478	-0.439	-0.543	378.169	108.566	156.703	11.288
2782	DELUM	870324	0.005	1.556	-0.022	0.050	-0.042	0.754	1.784	0.145	0.943
			0.267	43.872	-0.479	0.528	-0.531	12.145	18.557	8.027	41.016
2783	DELUM	870331	0.003	0.300	-0.022	-0.045	-0.041	1.046	1.470	0.145	0.168
			0.159	8.457	-0.480	-0.475	-0.519	16.838	15.289	8.023	7.292

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2532	DELUM	870106	0.010	0.040	0.016
			0.260	1.001	0.664
2533	DELUM	870112	0.009	0.001	0.015
			0.230	0.033	0.614
2587	DELUM	870120	0.008	0.091	0.021
			0.194	2.273	0.849
2591	DELUM	870128	0.019	0.130	0.020
			0.492	3.232	0.825
2635	DELUM	870211	0.121	1.037	0.198
			3.098	25.878	8.161
2665	DELUM	870204	0.043	0.571	0.091
			1.108	14.244	3.740
2684	DELUM	870226	0.043	0.116	0.107
			1.099	2.889	4.391
2685	DELUM	870303			
2729	DELUM	870218	0.017	0.101	0.012
			0.440	2.521	0.478
2781	DELUM	870310	0.108	1.233	0.157
			2.750	30.757	6.449
2782	DELUM	870324	0.053	0.107	0.121
			1.349	2.669	4.964
2783	DELUM	870331	0.012	0.051	0.026
			0.319	1.266	1.056

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2855	DELUM	870423		1059	870427	946	870507	2	1.100	1835.700	36.400
2872	DELUM	870427		946	870505	1204	870513	2	1.400	2277.800	36.000
2888	DELUM	870505		1204	870512	1131	870519			19.400	
2901	DELUM	870512		1131	870519	1234	870528	3	0.700	1123.700	74.000
2923	DELUM	870519		1234	870526	1550	870602	5	1.600	2387.600	46.300
2953	DELUM	870526		1555	870602	1310	870616	1	0.100	277.000	42.400
2978	DELUM	870602		1315	870609	1148	870624	2	0.900	1846.700	36.000
2985	DELUM	870609		1148	870616	1000	870625	3	0.200	516.700	100.900
2995	DELUM	870616		1000	870623	1200	870629	2	0.100	183.700	79.000
3020	DELUM	870623		1200	870630	1053	870706	1	0.100	213.500	36.000
3073	DELUM	870630		1053	870707	1054	870722	3	2.100	3821.200	34.300
3074	DELUM	870707		1054	870714	1151	870722	2	0.100	239.600	96.000
3097	DELUM	870714		1151	870721	1135	870803	1	1.400	2186.200	53.000
3098	DELUM	870721		1135	870728	1203	870803	1		19.100	
3143	DELUM	870804		1210	870811	1402	870821	3	1.700	2756.700	82.400
3169	DELUM	870818		1138	870825	1222	870902	2	0.300	463.700	27.800
3188	DELUM	870825		1222	870903	1335	870910	5	1.600	2913.000	51.000

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3214	DELUM	870903		1335	870908	1217	870918	4	1.400	2344.700	14.600
3229	DELUM	870908		1217	870915	1140	870922	3	4.000	6819.700	10.000
3258	DELUM	870915		1140	870922	1201	870929	2	1.100	1921.700	55.100
3269	DELUM	870922		1201	870930	1104	871007	1	0.200	315.600	30.200
3294	DELUM	871006	10.00	950	871013	1014	871027	1	0.300	390.700	46.000
3312	DELUM	871020		929	871026	957	871104	1		161.000	120.000
3330	DELUM	871027		957	871103	1100	871113	1	0.800	1421.000	21.000
3346	DELUM	871103		1100	871110	1100	871118	1	0.300	545.900	42.000
3350	DELUM	871110	2.00	1100	871117	1230	871123	2	1.600	2447.000	15.000
3368	DELUM	871117		1230	871124	1330	871130	1		171.500	24.000
3397	DELUM	871124		1330	871201	1115	871210	3	2.700	4497.800	396.000
3403	DELUM	871201		1115	871208	1230	871215	1		103.900	
3422	DELUM	871208		1230	871215	1115	880105			1492.300	30.100
3493	DELUM	871222	1.00	1030	871229	1230	880120	2	0.800	1428.800	31.000
3494	DELUM	871229	1.00	1230	880105	1130	880120	1	0.200	335.600	12.000
3508	DELUM	871215		1115	871222		880121			727.800	48.000

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

27-MAY-88
PAGE 2-7

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2855	DELUM	870423	4.070	3.000		1.111	0.981	550.000	4.090	93.500	38.095
2872	DELUM	870427	4.090	3.000		1.096	0.968	550.000	4.190	77.300	33.675
2888	DELUM	870505		3.000	33.000	1.197	0.907	18.000	3.640		200.621
2901	DELUM	870512	3.910	3.000		1.069	0.957	550.000	3.850	159.400	74.454
2923	DELUM	870519	4.010			1.081	1.002	550.000	4.040	103.100	43.311
2953	DELUM	870526	3.950			1.039	0.982	100.000	4.060	98.300	43.129
2978	DELUM	870602	4.050	3.000		1.096	0.992	550.000	4.140	83.500	34.346
2985	DELUM	870609	3.800			1.101	0.965	330.000	3.700	222.800	98.783
2995	DELUM	870616	3.720			1.094	0.972	100.000	3.760	198.800	84.921
3020	DELUM	870623	4.230	3.000		1.084	1.017	100.000	4.190	76.300	33.903
3073	DELUM	870630	4.230	3.000		1.035	1.061	550.000	4.190	72.700	29.672
3074	DELUM	870707	3.870	3.000		1.071	0.949	175.000	3.720	211.500	98.019
3097	DELUM	870714	3.980	3.000	34.000	1.069	1.056	550.000	3.970	121.700	46.950
3098	DELUM	870721				1.089	1.135	12.000	3.540		134.281
3143	DELUM	870804	3.700			1.102	0.983	550.000	3.790	183.600	77.022
3169	DELUM	870818	4.130	3.000		1.145	1.033	400.000	4.280	62.800	23.707
3188	DELUM	870825	4.010			1.061	1.024	550.000	4.000	111.600	47.342

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3214	DELUM	870903	4.510			1.023	1.089	550.000	4.640	30.000	12.560
3229	DELUM	870908	4.630			1.038	1.146	550.000	4.790	21.400	7.791
3258	DELUM	870915	3.940	3.000		1.102	0.977	550.000	3.980	117.900	52.426
3269	DELUM	870922	4.690			0.994	1.018	150.000	4.760	24.400	26.930
3294	DELUM	871006	4.180	3.000	21.000	1.021	1.012	320.000	4.220	68.000	42.653
3312	DELUM	871020	3.780	3.000		1.082	0.959	100.000	3.650	243.700	116.896
3330	DELUM	871027	4.210			1.020	1.153	550.000	4.350	51.300	19.030
3346	DELUM	871103	4.590			1.061	1.024	475.000	4.180	75.500	33.688
3350	DELUM	871110	4.540	3.000		1.048	1.114	550.000	4.510	37.900	12.636
3368	DELUM	871117	4.930	3.000		0.957	1.082	120.000	4.910	16.400	22.725
3397	DELUM	871124	4.450			1.047	1.036	550.000	4.420	44.400	23.927
3403	DELUM	871201		3.000		1.010	1.051	100.000	4.090	88.100	39.171
3422	DELUM	871208	4.260			1.018	1.086	550.000	4.200	64.600	27.761
3493	DELUM	871222	4.050	3.000		1.062	1.068	480.000	4.190	68.500	29.134
3494	DELUM	871229	4.420			1.008	1.220	275.000	4.580	30.400	10.225
3508	DELUM	871215	3.970	3.000		0.985	1.097	525.000	3.980	101.800	46.449

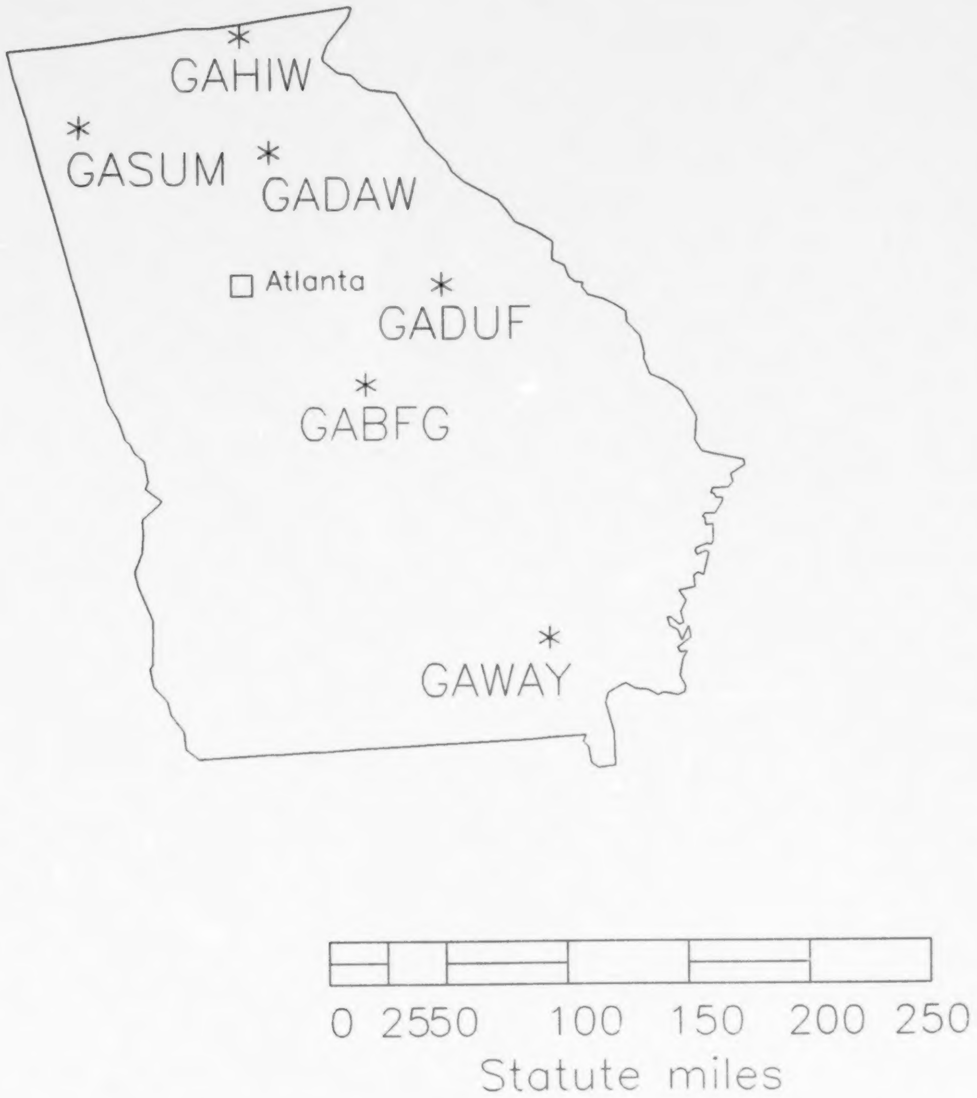
ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2855	DELUM	870423	0.057	0.372	-0.007	-0.060	-0.015	1.051	3.715	0.084	0.133
			3.020	10.482	-0.157	-0.625	-0.189	16.914	38.637	4.672	5.798
2872	DELUM	870427	0.016	0.264	-0.018	0.058	-0.056	2.353	2.825	0.335	0.105
			0.830	7.445	-0.401	0.604	-0.695	37.882	29.383	18.584	4.568
2888	DELUM	870505	0.120	1.253	-0.032	-0.027	-0.065	19.455	25.956	5.162	0.549
			6.326	35.335	-0.696	-0.282	-0.815	313.220	269.942	285.996	23.893
2901	DELUM	870512	0.034	0.291	-0.006	-0.044	-0.013	4.109	7.287	0.855	0.126
			1.811	8.213	-0.123	-0.462	-0.167	66.162	75.781	47.372	5.480
2923	DELUM	870519	-0.034	0.383	-0.015	-0.058	-0.005	1.129	4.797	0.265	0.198
			-1.811	10.811	-0.320	-0.609	-0.057	18.177	49.894	14.707	8.609
2953	DELUM	870526	0.039	0.177	-0.008	-0.065	-0.004	2.417	3.927	0.458	0.068
			2.066	4.997	-0.174	-0.680	-0.055	38.921	40.837	25.356	2.941
2978	DELUM	870602	0.010	0.113	-0.006	-0.066	-0.014	1.495	3.467	0.270	0.031
			0.503	3.185	-0.128	-0.694	-0.171	24.071	36.059	14.953	1.329
2985	DELUM	870609	0.046	0.236	-0.005	-0.053	-0.019	4.987	9.528	0.703	0.041
			2.446	6.665	-0.103	-0.554	-0.235	80.296	99.091	38.931	1.794
2995	DELUM	870616	0.050	0.263	-0.003	-0.036	-0.025	4.995	7.541	0.589	0.041
			2.648	7.411	-0.070	-0.373	-0.318	80.427	78.425	32.605	1.777
3020	DELUM	870623	0.028	0.206	-0.004	0.061	-0.011	1.933	3.787	0.485	0.114
			1.495	5.796	-0.097	0.636	-0.140	31.115	39.386	26.889	4.959
3073	DELUM	870630	0.018	0.108	-0.011	-0.054	-0.017	1.624	3.094	0.394	0.036
			0.946	3.047	-0.235	-0.564	-0.209	26.151	32.176	21.839	1.547
3074	DELUM	870707	0.046	0.467	-0.011	-0.054	-0.017	6.591	7.995	0.823	0.210
			2.420	13.161	-0.240	-0.571	-0.207	106.109	83.144	45.583	9.135
3097	DELUM	870714	0.021	0.172	-0.005	-0.077	-0.009	2.456	4.573	0.353	0.039
			1.129	4.862	-0.116	-0.803	-0.114	39.541	47.557	19.529	1.711
3098	DELUM	870721	0.095	0.524	-0.005	-0.077	-0.009	7.336	18.384	1.725	0.232
			4.974	14.791	-0.110	-0.808	-0.112	118.111	191.196	95.561	10.107
3143	DELUM	870804	0.036	0.233	-0.004	-0.069	-0.004	3.652	7.334	0.598	0.022
			1.886	6.561	-0.095	-0.721	-0.045	58.797	76.271	33.102	0.960
3169	DELUM	870818	0.015	0.086	-0.002	-0.083	-0.008	1.163	2.459	0.069	0.025
			0.813	2.425	-0.052	-0.869	-0.100	18.724	25.577	3.807	1.083
3188	DELUM	870825	0.025	0.268	-0.005	-0.073	-0.009	2.426	4.741	0.484	0.115
			1.341	7.566	-0.112	-0.764	-0.114	39.066	49.304	26.791	5.011

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3214	DELUM	870903	0.002	0.895	-0.000	-0.068	0.027	0.345	1.105	0.030	0.505
			0.118	25.246	-0.010	-0.715	0.333	5.560	11.494	1.682	21.974
3229	DELUM	870908	-0.001	0.270	-0.001	-0.050	-0.007	0.409	0.845	0.103	0.145
			-0.071	7.622	-0.013	-0.530	-0.085	6.579	8.785	5.695	6.321
3258	DELUM	870915	0.022	0.196	-0.002	-0.078	-0.006	3.644	4.564	0.532	0.045
			1.158	5.535	-0.047	-0.821	-0.077	58.666	47.467	29.460	1.951
3269	DELUM	870922	0.032	0.252	-0.004	-0.080	-0.009	2.720	5.219	0.769	0.145
			1.670	7.095	-0.084	-0.842	-0.107	43.787	54.281	42.582	6.324
3294	DELUM	871006	0.035	0.507	-0.058	-0.018	-0.034	3.178	5.856	0.717	0.285
			1.852	14.311	-1.271	-0.187	-0.421	51.165	60.906	39.735	12.392
3312	DELUM	871020	0.063	0.537	-0.002	-0.034	-0.030	9.236	9.222	1.454	0.106
			3.313	15.154	-0.042	-0.356	-0.371	148.693	95.908	80.567	4.619
3330	DELUM	871027	0.010	0.505	-0.002	-0.060	0.071	0.778	1.946	0.062	0.290
			0.520	14.227	-0.054	-0.633	0.892	12.529	20.240	3.457	12.603
3346	DELUM	871103	0.019	0.724	-0.002	-0.075	-0.011	1.817	3.172	0.294	0.370
			1.012	20.411	-0.052	-0.791	-0.138	29.252	32.991	16.306	16.104
3350	DELUM	871110	-0.002	0.086	-0.017	-0.106	-0.010	0.774	1.156	0.051	0.041
			-0.086	2.432	-0.359	-1.115	-0.123	12.459	12.025	2.844	1.773
3368	DELUM	871117	-0.003	3.561	-0.009	-0.033	-0.008	1.041	1.870	0.363	1.949
			-0.173	100.434	-0.189	-0.344	-0.106	16.766	19.452	20.119	84.772
3397	DELUM	871124	-0.007	1.950	-0.025	0.018	0.207	0.486	2.049	0.047	1.097
			-0.362	54.978	-0.535	0.185	2.597	7.826	21.305	2.612	47.741
3403	DELUM	871201	0.028	0.154	0.023	-0.004	-0.006	3.799	3.033	0.557	0.065
			1.487	4.336	0.503	-0.038	-0.072	61.168	31.545	30.839	2.817
3422	DELUM	871208	0.014	0.185	0.021	-0.006	-0.009	2.291	2.209	0.238	0.062
			0.733	5.220	0.449	-0.061	-0.110	36.893	22.970	13.178	2.702
3493	DELUM	871222	0.017	0.315	-0.033	0.019	0.137	2.492	2.094	0.271	0.111
			0.915	8.881	-0.728	0.195	1.717	40.121	21.774	15.035	4.843
3494	DELUM	871229	0.030	0.185	-0.036	0.017	-0.066	0.847	0.765	0.048	0.084
			1.602	5.223	-0.792	0.177	-0.823	13.635	7.961	2.647	3.668
3508	DELUM	871215	0.020	0.753	-0.092	0.023	-0.164	2.831	4.018	0.391	0.390
			1.073	21.245	-2.006	0.237	-2.057	45.572	41.792	21.684	16.982

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2855	DELUM	870423	0.020	0.064	0.027
			0.506	1.608	1.123
2872	DELUM	870427	0.033	0.131	0.035
			0.852	3.278	1.435
2888	DELUM	870505	0.492	2.941	0.625
			12.575	73.385	25.697
2901	DELUM	870512	0.040	0.283	0.063
			1.034	7.061	2.604
2923	DELUM	870519	0.013	0.048	0.035
			0.325	1.201	1.423
2953	DELUM	870526	0.020	0.114	0.026
			0.505	2.841	1.077
2978	DELUM	870602	0.009	0.041	0.011
			0.230	1.018	0.447
2985	DELUM	870609	0.017	0.354	0.059
			0.431	8.844	2.420
2995	DELUM	870616	0.031	0.294	0.050
			0.794	7.323	2.064
3020	DELUM	870623	0.036	0.185	0.047
			0.930	4.627	1.934
3073	DELUM	870630	0.010	0.056	0.012
			0.251	1.394	0.497
3074	DELUM	870707	0.044	0.357	0.079
			1.122	8.897	3.252
3097	DELUM	870714	0.013	0.058	0.012
			0.340	1.445	0.501
3098	DELUM	870721	0.127	1.359	0.190
			3.257	33.908	7.803
3143	DELUM	870804	0.001	0.070	0.017
			0.021	1.754	0.685
3169	DELUM	870818	-0.002	0.104	0.022
			-0.048	2.604	0.897
3188	DELUM	870825	0.004	0.105	0.025
			0.107	2.624	1.026

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3214	DELUM	870903	0.009	0.032	0.059
			0.239	0.792	2.435
3229	DELUM	870908	-0.002	0.018	0.020
			-0.039	0.445	0.826
3258	DELUM	870915	0.021	0.138	0.035
			0.526	3.451	1.450
3269	DELUM	870922	0.119	1.376	0.296
			3.039	34.334	12.163
3294	DELUM	871006	0.292	0.863	0.278
			7.458	21.520	11.455
3312	DELUM	871020	0.062	0.342	0.078
			1.576	8.534	3.213
3330	DELUM	871027	0.023	0.056	0.044
			0.590	1.409	1.817
3346	DELUM	871103	0.098	0.099	0.057
			2.505	2.479	2.348
3350	DELUM	871110	0.012	0.021	0.007
			0.304	0.516	0.302
3368	DELUM	871117	0.101	0.395	0.288
			2.593	9.858	11.862
3397	DELUM	871124	0.044	0.057	0.143
			1.133	1.422	5.879
3403	DELUM	871201	0.031	0.231	0.034
			0.801	5.772	1.416
3422	DELUM	871208	0.012	0.140	0.024
			0.307	3.490	0.995
3493	DELUM	871222	0.015	0.073	0.029
			0.393	1.812	1.177
3494	DELUM	871229	0.003	0.057	0.016
			0.079	1.431	0.654
3508	DELUM	871215	0.040	0.134	0.054
			1.019	3.346	2.213

Georgia


GAHIW
GASUM
GADAW
Atlanta
GADUF
GABFG
GAWAY
0 2550 100 150 200 250
Statute miles

□ Major city (for reference)
* EPA Acid Rain Site

GEORGIA

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
GABFG	B.F. Grant Forest	Eatonton	Putnam			35	97.1
GADAW	Dawsonville	Gainesville	Dawson			40	97.5
GADUF	McDuffie	Augusta	McDuffie			28	100
GAHIW	Hiawassee	Hiawassee	Towns			30	93.3
GASUM	Summerville	Summerville	Chattooga			38	97.4
GAWAY	Waycross	Waycross	Ware			35	94.3

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

GEORGIA

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
GABFG	B.F. Grant Forest	Eatonton	Putnam			35	97.1
GADAW	Dawsonville	Gainesville	Dawson			40	97.5
GADUF	McDuffie	Augusta	McDuffie			28	100
GAHIW	Hiawassee	Hiawassee	Towns			30	93.3
GASUM	Summerville	Summerville	Chattooga			38	97.4
GAWAY	Waycross	Waycross	Ware			35	94.3

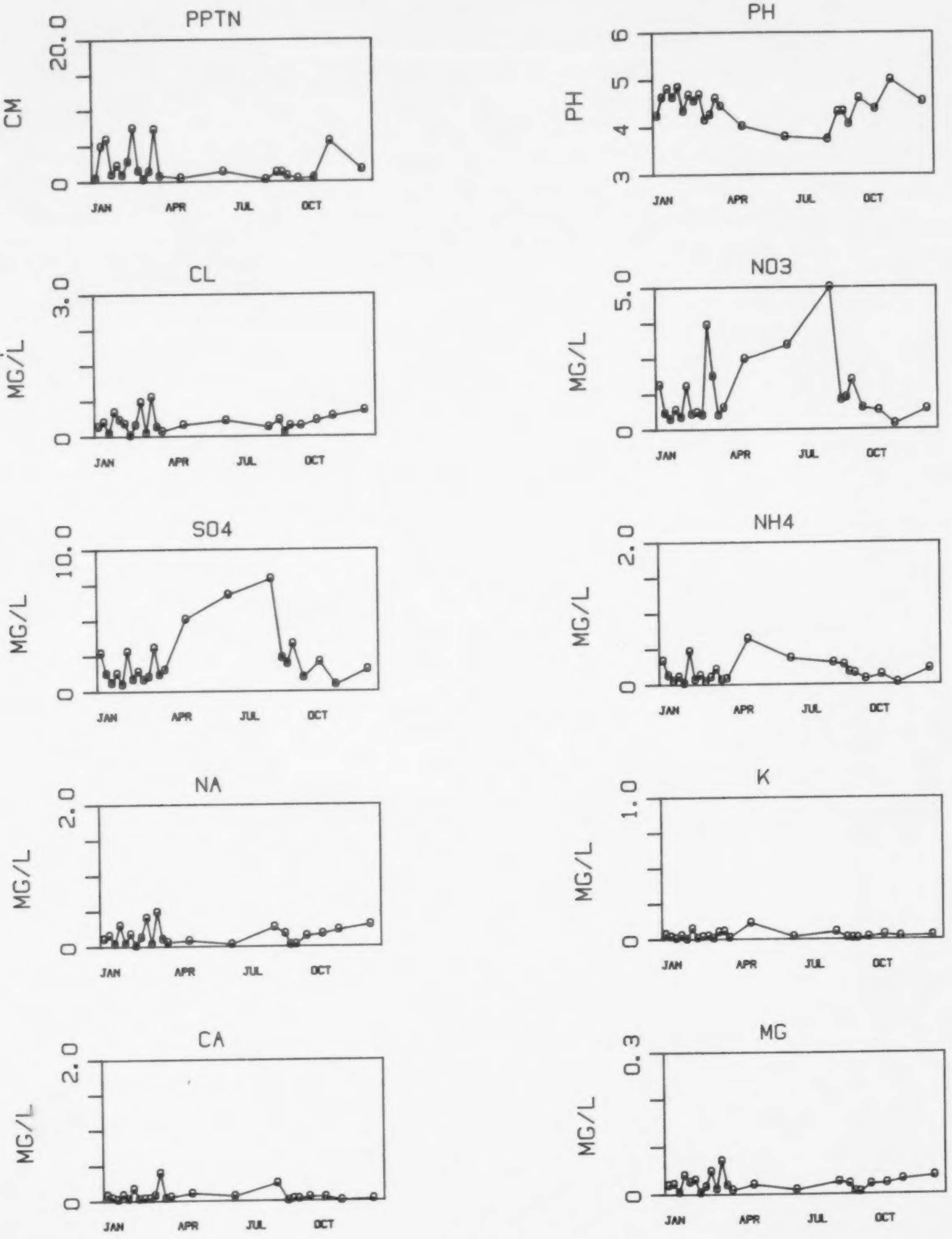
(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: GABFG

Data Plots, Jan '87 - Dec '87



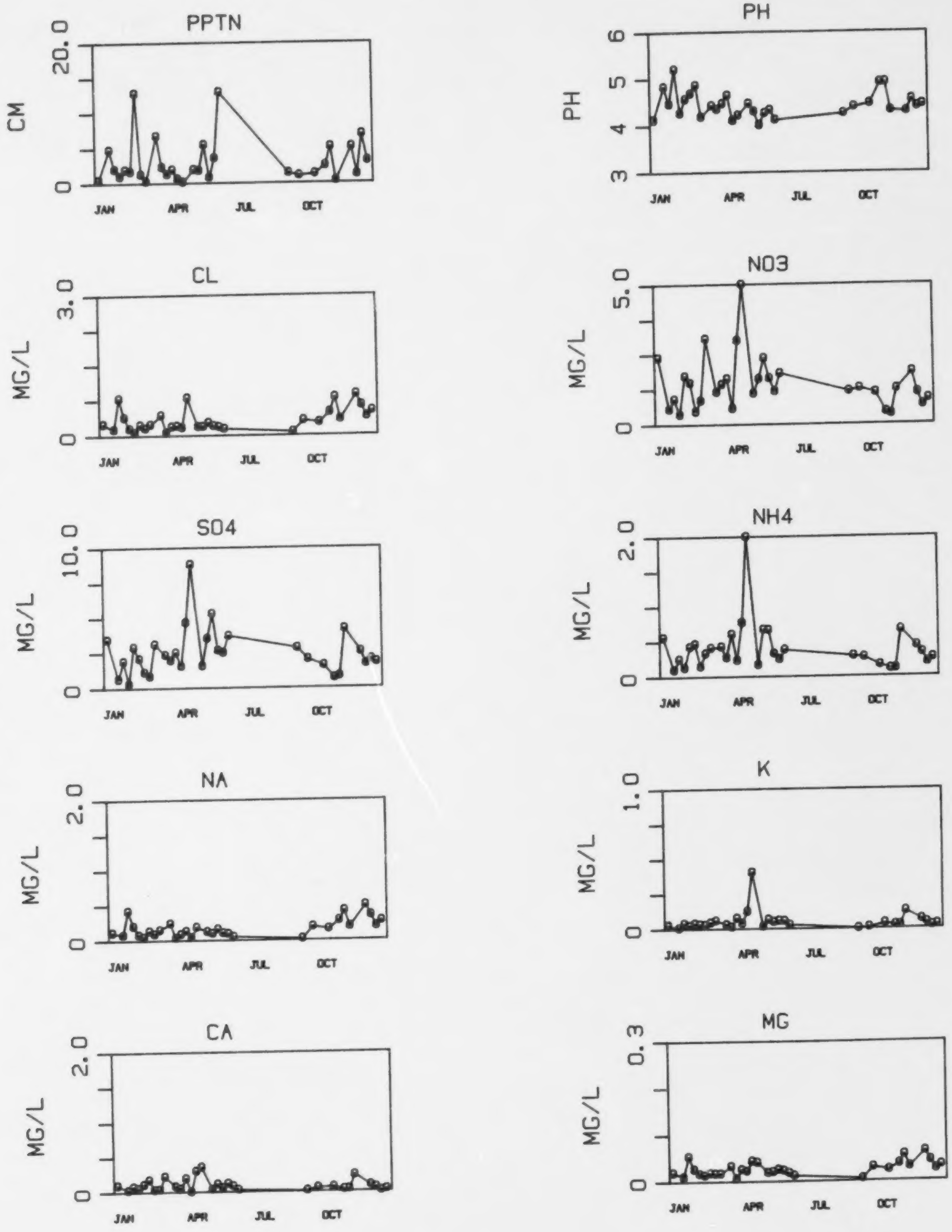


Figure 2-1 (continued)

SITE: GADAW

Data Plots, Jan '87 - Dec '87

Figure 2-1 (continued)

SITE: GADUF

Data Plots, Jan '87 - Dec '87

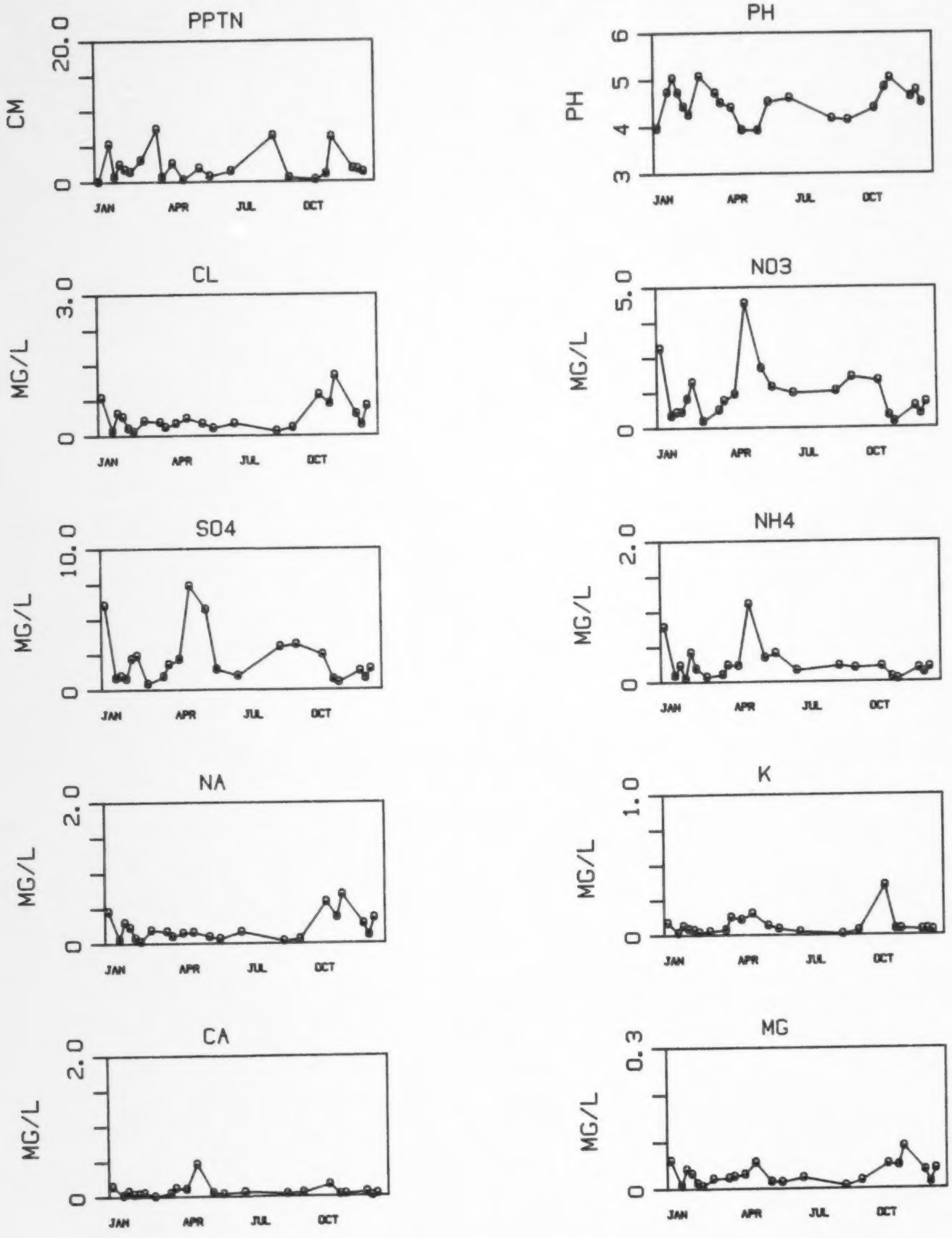


Figure 2-1 (continued)
SITE: GAHIW
Data Plots, Jan '87 - Dec '87

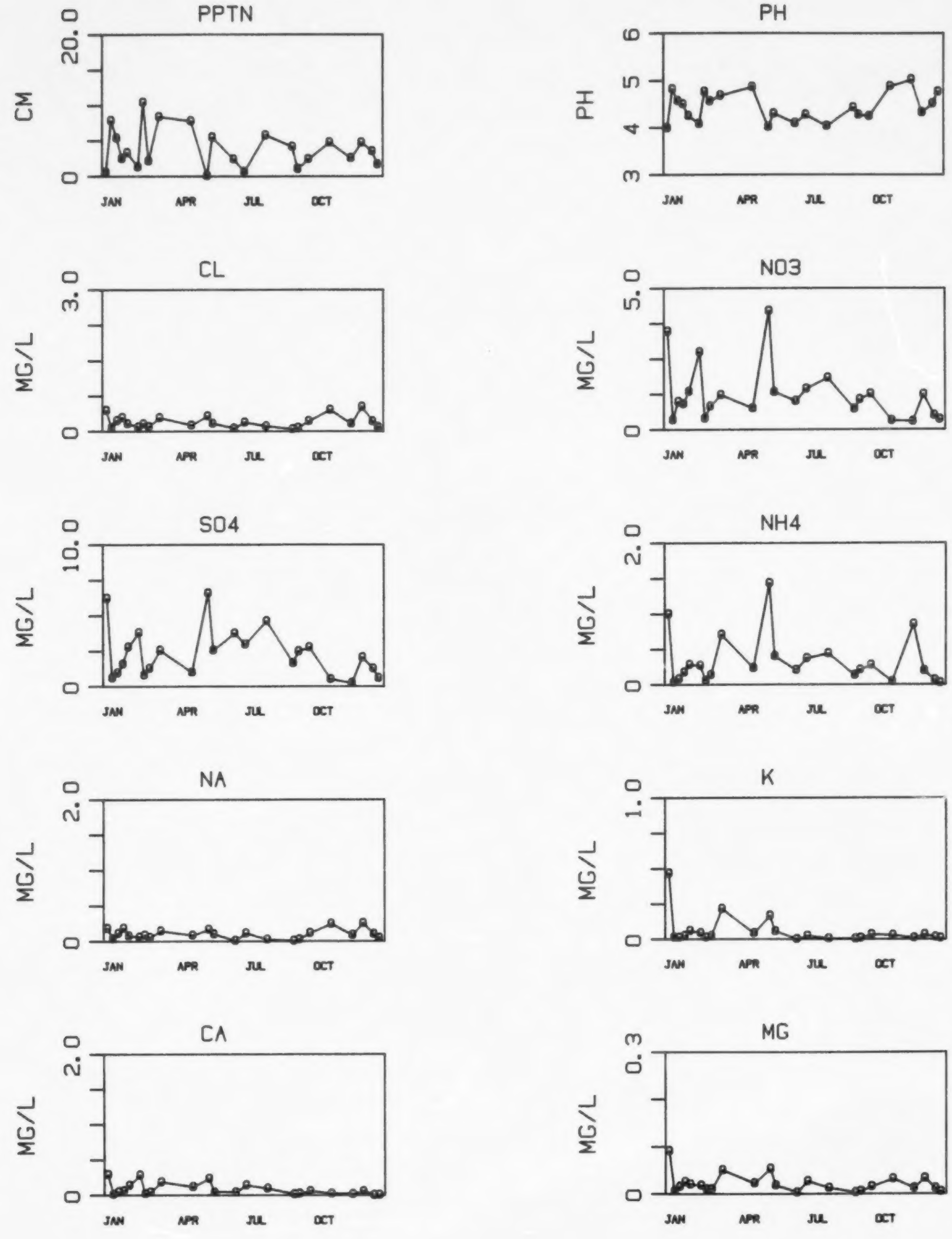


Figure 2-1 (continued)

SITE: GASUM

Data Plots, Jan '87 - Dec '87

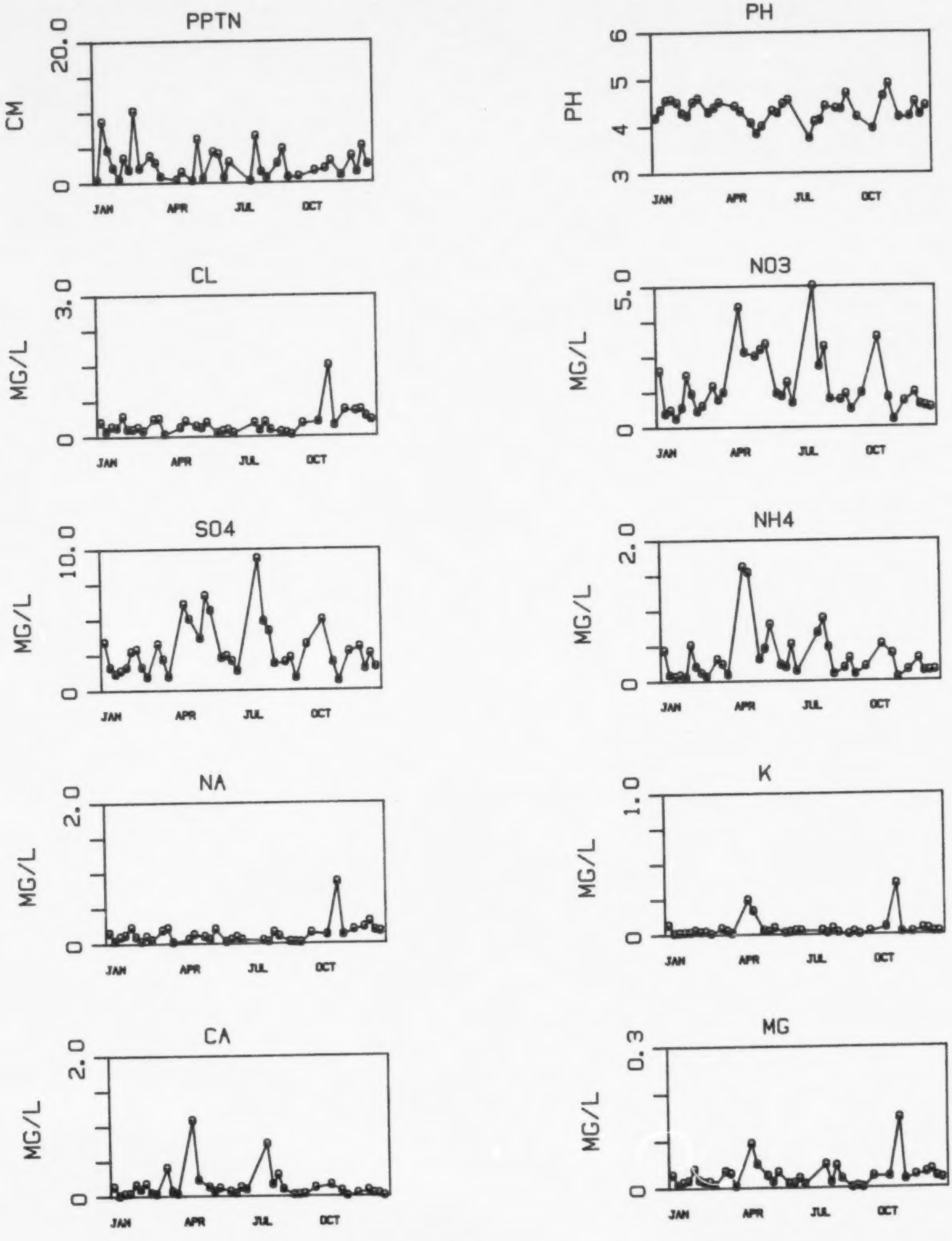
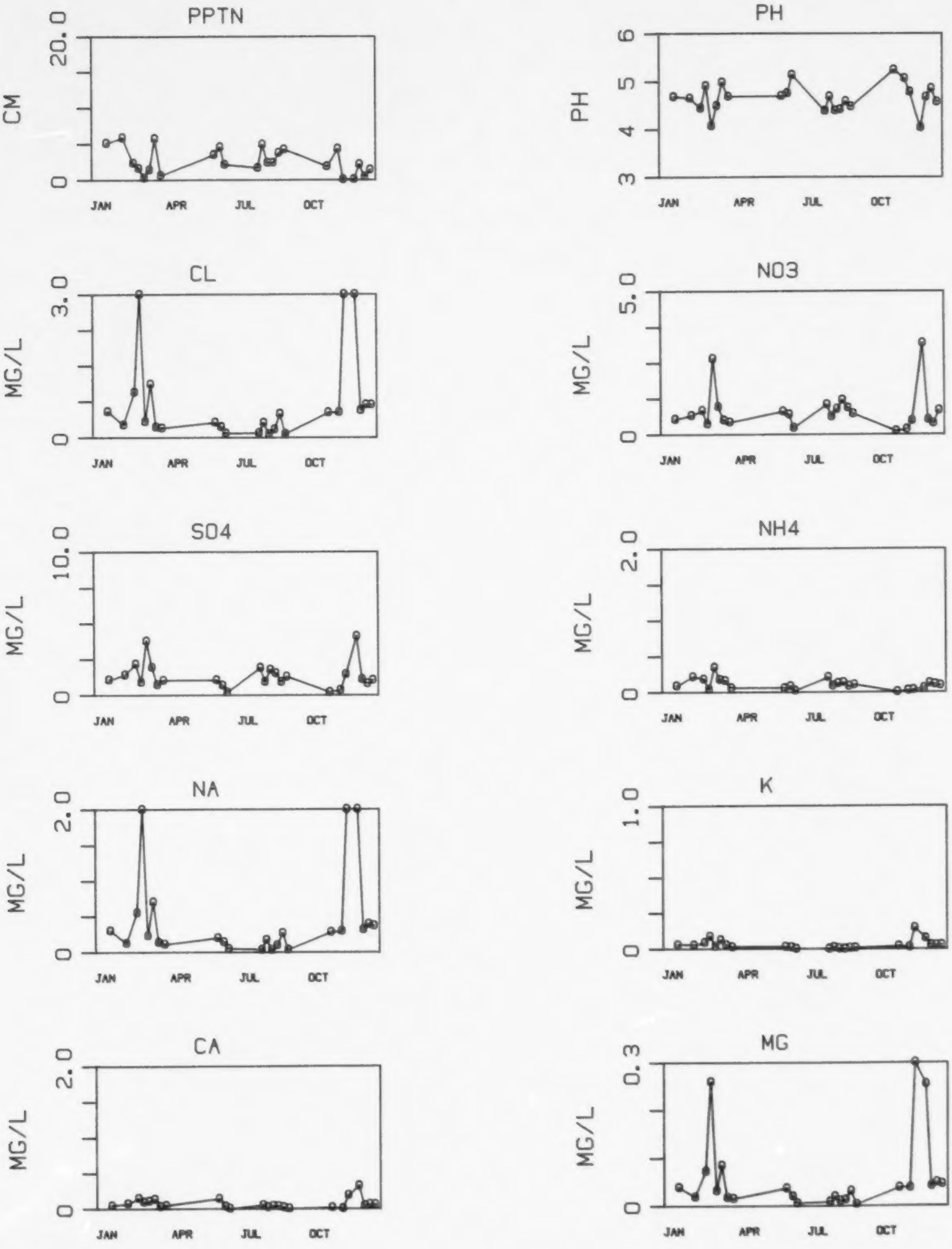


Figure 2-1 (continued)

SITE: GAWAY

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2513	GABFG	870106		830	870113	830	870122	2	0.20	316.00	32.1
2554	GABFG	870120		830	870127	830	870202	3	2.35	3969.00	9.1
2564	GABFG	870113		830	870120	830	870205	4	1.97	3299.00	15.3
2582	GABFG	870127		845	870203	845	870209	1	0.40	595.00	14.9
2615	GABFG	870203		845	870210	845	870220	2	0.90	1475.00	8.9
2646	GABFG	870210		845	870217	845	870227	2	0.35	534.00	32.0
2650	GABFG	870217		845	870224	845	870303	2	1.10	1844.00	11.8
2673	GABFG	870224		845	870303	930	870309	3	2.97	4950.00	15.1
2678	GABFG	870303		845	870310	845	870316	1	0.60	961.00	12.2
2730	GABFG	870310	2.00	845	870317	845	870326	1	0.12	221.00	33.1
2739	GABFG	870317		845	870324	100	870331	1	0.55	997.00	30.9
2758	GABFG	870324		100	870331	845	870407	4	2.90	4894.00	12.3
2784	GABFG	870331		845	870407	845	870414	1	0.30	499.00	19.5
2827	GABFG	870407		845	870414	845	870422	2	0.17	260.00	29.8

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PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2513	GABFG	870106	4.17	3	33	1.03	1.02	250.0	4.24	66.4	28.2
2554	GABFG	870120	4.62			1.03	1.16	475.0	4.82	20.6	6.2
2564	GABFG	870113	4.56			1.09	1.10	450.0	4.63	29.3	11.6
2582	GABFG	870127	4.47	3		1.05	1.06	425.0	4.63	28.4	13.0
2615	GABFG	870203	4.71			1.44	1.16	550.0	4.85	20.1	6.4
2646	GABFG	870210	4.14	3		1.02	1.06	480.0	4.34	51.9	24.6
2650	GABFG	870217	4.59			1.04	1.15	525.0	4.68	26.5	8.4
2673	GABFG	870224	4.53			1.03	1.11	475.0	4.55	35.1	12.9
2678	GABFG	870303	4.63	3		1.00	1.13	525.0	4.69	24.8	10.6
2730	GABFG	870310	4.14			1.08	1.10	175.0	4.15	73.9	28.7
2739	GABFG	870317	4.14			1.06	1.03	550.0	4.26	62.6	30.9
2758	GABFG	870324		3		1.10	1.11	550.0	4.61	30.3	11.2
2784	GABFG	870331	4.42			1.01	1.08	425.0	4.44	42.8	15.6
2827	GABFG	870407	4.34		34	1.01	1.01	200.0	4.42	48.0	26.3

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2513	GABFG	870106	0.016	0.209	-0.035	0.025	-0.010	1.571	2.717	0.337	0.106
			0.839	5.889	-0.759	0.263	-0.121	25.296	28.261	18.675	4.618
2554	GABFG	870120	-0.002	0.066	-0.005	0.031	-0.007	0.371	0.599	0.051	0.034
			-0.130	1.850	-0.112	0.330	-0.088	5.967	6.234	2.817	1.497
2564	GABFG	870113	0.013	0.308	-0.073	0.031	-0.071	0.582	1.235	0.128	0.159
			0.664	8.673	-1.597	0.328	-0.886	9.364	12.848	7.088	6.915
2582	GABFG	870127	0.015	0.517	-0.142	0.028	-0.134	0.689	1.258	0.110	0.302
			0.793	14.580	-3.081	0.298	-1.679	11.085	13.078	6.084	13.120
2615	GABFG	870203	-0.006	0.353	-0.009	0.063	-0.019	0.442	0.491	0.017	0.043
			-0.311	9.967	-0.187	0.666	-0.240	7.109	5.101	0.954	1.892
2646	GABFG	870210	0.014	0.268	-0.002	0.055	-0.007	1.527	2.819	0.468	0.178
			0.713	7.567	-0.043	0.582	-0.092	24.584	29.322	25.934	7.723
2650	GABFG	870217	0.009	0.022	-0.004	-0.016	-0.023	0.550	0.851	0.067	0.011
			0.465	0.619	-0.081	-0.166	-0.283	8.851	8.848	3.698	0.487
2673	GABFG	870224	-0.002	0.243	-0.021	-0.117	-0.027	0.611	1.394	0.129	0.130
			-0.118	6.855	-0.464	-1.232	-0.339	9.831	14.499	7.159	5.659
2678	GABFG	870303	0.012	0.726	-0.025	-0.148	-0.029	0.514	0.823	0.043	0.409
			0.656	20.461	-0.543	-1.555	-0.362	8.275	8.562	2.392	17.805
2730	GABFG	870310	0.011	0.070	0.035	0.175	-0.014	3.681	1.027	0.104	0.037
			0.559	1.984	0.768	1.837	-0.176	59.268	10.684	5.778	1.602
2739	GABFG	870317	0.019	0.829	-0.005	0.075	-0.013	1.877	3.084	0.212	0.489
			1.002	23.386	-0.105	0.786	-0.164	30.213	32.076	11.737	21.270
2758	GABFG	870324	0.012	0.200	-0.010	0.082	-0.006	0.502	1.161	0.065	0.106
			0.621	5.649	-0.224	0.860	-0.077	8.085	12.076	3.604	4.596
2784	GABFG	870331	0.008	0.109	-0.022	-0.047	-0.041	0.774	1.508	0.084	0.058
			0.398	3.073	-0.482	-0.493	-0.508	12.468	15.681	4.658	2.540
2827	GABFG	870407	0.022	0.393	-0.005	-0.061	-0.009	2.417	2.998	0.545	0.205
			1.181	11.084	-0.104	-0.636	-0.114	38.906	31.177	30.173	8.916

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2553	GABFG	870106	0.035 0.883	0.082 2.047	0.019 0.770
2554	GABFG	870120	0.006 0.141	0.016 0.406	0.004 0.158
2564	GABFG	870113	0.018 0.462	0.041 1.021	0.022 0.898
2582	GABFG	870127	0.027 0.695	0.086 2.148	0.040 1.658
2615	GABFG	870203	-0.001 -0.034	0.029 0.724	0.026 1.060
2646	GABFG	870210	0.074 1.888	0.170 4.244	0.031 1.258
2650	GABFG	870217	0.008 0.205	0.026 0.656	0.003 0.132
2673	GABFG	870224	0.018 0.461	0.035 0.875	0.017 0.682
2678	GABFG	870303	0.022 0.563	0.034 0.859	0.049 1.998
2730	GABFG	870310	0.005 0.132	0.079 1.962	0.011 0.472
2739	GABFG	870317	0.049 1.264	0.395 9.856	0.071 2.905
2758	GABFG	870324	0.056 1.420	0.038 0.940	0.019 0.781
2784	GABFG	870331	0.011 0.282	0.057 1.415	0.009 0.367
2827	GABFG	870407	0.281 7.186	0.485 12.102	0.050 2.067

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2873	GABFG	870428		200	870505	1030	870513	2	0.200	253.000	48.900
2913	GABFG	870512	10.00	1000	870519	1030	870601	4	1.380	1973.000	12.300
2914	GABFG	870519		1030	870527	900	870601	1	0.650	1012.000	58.800
2986	GABFG	870609		1000	870616	1000	870625	4	3.000	5081.000	10.600
2996	GABFG	870616		1000	870623	1100	870629	4	1.520	2694.000	15.500
3027	GABFG	870623		1000	870630	930	870707	2	0.550	840.000	77.800
3108	GABFG	870721		1000	870728	1400	870811	1	0.800	840.000	92.500
3109	GABFG	870728		1400	870804	1000	870811	3	0.400	635.000	88.800
3170	GABFG	870818		1115	870825	915	870902	1	0.100	159.000	90.100
3250	GABFG	870901		1000	870908	930	870928	2	0.500	860.000	25.700
3251	GABFG	870908		930	870915	900	870928	2	0.500	952.000	22.400
3252	GABFG	870915		900	870922	1430	870928	1	0.300	484.000	37.800
3273	GABFG	870929		1000	871006	930	871013	1	0.150	251.000	16.100
3321	GABFG	871020		1045	871027	900	871110	1	0.200	420.000	21.400
3349	GABFG	871103		900	871110	930	871119	1	0.350	634.000	9.500
3382	GABFG	871110		930	871117	1000	871204			3835.000	6.900
3404	GABFG	871124		1014	871201	1030	871215	3	0.750	1326.000	7.900

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3423	GABFG	871208		930	871215	945	880105	3	0.800	1268.000	16.800
3424	GABFG	871215		945	871222	900	880105	3	1.050	1712.000	7.200
3425	GABFG	871222		900	871229	1300	880105	1	0.650	1072.000	16.900
3486	GABFG	871229		1300	880105	1500	880114	2	1.550	2594.500	7.800

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2873	GABFG	870428	3.950	23.000	33.000	1.084	0.974	200.000	4.020	111.800	49.626
2913	GABFG	870512	4.510	13.000	2134.000	1.077	0.950	525.000	4.090	98.500	45.774
2914	GABFG	870519	3.860	3.000	34.000	1.086	0.950	525.000	3.900	145.500	62.980
2986	GABFG	870609	4.740		34.000	1.050	1.124	500.000	4.620	28.900	9.623
2996	GABFG	870616	4.380	3.000	34.000	0.982	1.065	475.000	4.370	48.000	18.673
3027	GABFG	870623	3.640			1.081	0.950	525.000	3.790	186.400	77.255
3108	GABFG	870721	3.740	32.000	342199.000	9999.000	9999.000	475.000	3.790		
3109	GABFG	870728	3.710	3.000	3421.000	1.097	0.989	500.000	3.740	204.200	87.111
3170	GABFG	870818	3.630	3.000		1.135	0.961	130.000	3.740	208.600	88.629
3250	GABFG	870901	4.310			1.067	1.000	540.000	4.320	61.100	24.050
3251	GABFG	870908	4.310			1.039	1.047	525.000	4.330	54.500	20.730
3252	GABFG	870915	4.030	1.000		1.070	0.987	450.000	4.060	96.100	39.428
3273	GABFG	870929	4.560	3.000		0.987	1.065	160.000	4.610	30.100	11.596
3321	GABFG	871020	4.370	3.000		1.070	1.082	370.000	4.380	48.200	19.148
3349	GABFG	871103	4.920	3.000	34.000	0.878	1.131	400.000	4.950	18.900	8.501
3382	GABFG	871110	4.960			1.047	1.176	480.000	5.000	16.900	5.232
3404	GABFG	871124	4.920	3.000	34.000	1.091	1.267	525.000	4.820	20.100	5.954

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3423	GABFG	871208	4.480	3.000	34.000	1.034	1.127	525.000	4.500	39.100	15.293
3424	GABFG	871215	4.740		34.000	1.020	1.250	525.000	4.080	15.100	5.639
3425	GABFG	871222	4.360			0.997	1.123	525.000	4.540	33.400	14.455
3486	GABFG	871229	4.800		34.000	0.968	1.307	525.000	4.820	19.900	5.475

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2873	GABFG	870428	0.021	0.241	-0.019	0.047	-0.057	2.488	5.100	0.644	0.079
			1.118	6.807	-0.412	0.492	-0.714	40.059	53.039	35.695	3.450
2913	GABFG	870512	0.039	0.606	-0.012	-0.054	-0.010	1.748	4.936	0.522	0.262
			2.074	17.102	-0.253	-0.566	-0.124	28.150	51.337	28.942	11.407
2914	GABFG	870519	-0.035	0.148	-0.012	-0.055	-0.010	2.165	6.589	0.535	0.043
			-1.832	4.164	-0.262	-0.573	-0.121	34.862	68.529	29.619	1.888
2986	GABFG	870609	0.011	0.094	-0.005	-0.051	-0.019	0.349	0.982	0.046	0.020
			0.576	2.664	-0.100	-0.540	-0.241	5.620	10.213	2.530	0.864
2996	GABFG	870616	0.017	0.168	-0.003	-0.034	-0.026	0.857	1.724	0.116	0.082
			0.894	4.741	-0.067	-0.359	-0.324	13.804	17.930	6.444	3.583
3027	GABFG	870623	0.045	0.333	-0.004	0.029	-0.006	2.967	6.794	0.369	0.028
			2.385	9.393	-0.079	0.300	-0.080	47.771	70.657	20.419	1.212
3108	GABFG	870721									
3109	GABFG	870723	0.069	0.238	-0.001	-0.081	-0.008	4.218	8.540	0.653	0.024
			3.645	6.703	-0.028	-0.850	-0.099	67.909	88.813	36.169	1.066
3170	GABFG	870818	0.058	0.197	-0.003	-0.082	-0.008	5.067	7.926	0.303	0.274
			3.037	5.547	-0.055	-0.863	-0.102	81.584	82.429	16.790	11.906
3250	GABFG	870901	0.021	0.346	-0.002	-0.050	0.075	1.029	2.357	0.275	0.179
			1.105	9.758	-0.042	-0.528	0.939	16.566	24.508	15.246	7.798
3251	GABFG	870908	0.016	0.082	-0.002	-0.051	-0.016	1.117	1.919	0.175	0.020
			0.835	2.299	-0.043	-0.532	-0.205	17.984	19.961	9.677	0.861
3252	GABFG	870915	0.021	0.223	-0.002	-0.051	-0.017	1.730	3.337	0.157	0.026
			1.095	6.291	-0.044	-0.537	-0.210	27.852	34.709	8.690	1.140
3273	GABFG	870929	0.013	0.222	-0.004	-0.080	-0.008	0.751	0.961	0.078	0.145
			0.691	6.253	-0.085	-0.839	-0.103	12.090	9.994	4.307	6.296
3321	GABFG	871020	0.010	0.335	-0.005	0.076	-0.026	0.656	2.059	0.135	0.174
			0.527	9.453	-0.118	0.803	-0.322	10.561	21.416	7.488	7.556
3349	GABFG	871103	-0.002	0.745	-0.017	-0.109	-0.010	0.468	0.799	0.087	0.460
			-0.082	21.010	-0.366	-1.149	-0.124	7.535	8.305	4.840	20.019
3382	GABFG	871110	-0.005	0.424	-0.006	0.023	-0.019	0.186	0.459	0.020	0.231
			-0.278	11.950	-0.121	0.246	-0.243	2.988	4.778	1.106	10.040
3404	GABFG	871124	-0.001	0.266	0.008	0.007	-0.006	0.286	0.597	-0.178	0.141
			-0.045	7.514	0.176	0.069	-0.074	4.609	6.214	-9.870	6.115

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
3423	GABFG	871208	0.012	0.374	0.018	-0.006	-0.009	0.857	1.704	0.178	0.229
			0.605	10.544	0.393	-0.062	-0.111	13.796	17.725	9.841	9.956
3424	GABFG	871215	-0.004	0.183	-0.002	0.012	-0.008	0.371	0.602	0.088	0.102
			-0.189	5.164	-0.035	0.131	-0.105	5.972	6.262	4.858	4.445
3425	GABFG	871222	0.010	0.542	-0.007	-0.010	-0.016	0.692	1.498	0.213	0.304
			0.551	15.292	-0.147	-0.105	-0.200	11.141	15.578	11.817	13.234
3486	GABFG	871229	-0.003	0.053	0.011	0.013	-0.006	0.442	0.530	0.070	0.027
			-0.151	1.487	0.238	0.138	-0.076	7.114	5.512	3.865	1.162

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2873	GABFG	870428	0.115	0.104	0.020
			2.930	2.606	0.832
2913	GABFG	870512	0.216	0.119	0.085
			5.524	2.969	3.507
2914	GABFG	870519	0.084	0.042	0.022
			2.152	1.040	0.898
2986	GABFG	870609	0.007	0.005	0.004
			0.180	0.113	0.168
2996	GABFG	870616	0.028	0.043	0.015
			0.717	1.070	0.610
3027	GABFG	870623	0.017	0.066	0.009
			0.432	1.653	0.378
3108	GABFG	870721			
3109	GABFG	870728	0.033	0.260	0.026
			0.836	6.476	1.066
3170	GABFG	870818	0.053	0.248	0.026
			1.353	6.189	1.059
3250	GABFG	870901	0.010	0.002	0.022
			0.253	0.040	0.890
3251	GABFG	870908	0.009	0.024	0.005
			0.220	0.607	0.225
3252	GABFG	870915	0.007	0.024	0.005
			0.187	0.603	0.194
3273	GABFG	870929	0.015	0.051	0.021
			0.377	1.269	0.850
3321	GABFG	871020	0.033	0.049	0.023
			0.834	1.219	0.933
3349	GABFG	871103	0.089	0.127	0.083
			2.285	3.164	3.424
3382	GABFG	871110	0.020	-0.014	0.031
			0.500	-0.351	1.275
3404	GABFG	871124	0.013	-0.008	0.017
			0.328	-0.196	0.708

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3423	GABFG	871208	0.043	0.077	0.033
			1.093	1.909	1.374
3424	GABFG	871215	0.015	-0.008	0.010
			0.396	-0.200	0.419
3425	GABFG	871222	0.024	0.021	0.037
			0.626	0.517	1.537
3486	GABFG	871229	0.007	0.010	0.003
			0.173	0.241	0.140

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2509	GADAW	870106		1030	870113	1100	870122	2	0.20	377.00	39.6
2541	GADAW	870113		1100	870120	930	870128	5	3.60	6256.00	9.6
2555	GADAW	870120	2.00	930	870127	1000	870202	5	1.90	3259.00	7.8
2595	GADAW	870127		1000	870203	1100	870212	1	0.80	1376.00	20.6
2616	GADAW	870203		1100	870210	1000	870220	2	0.40	648.00	10.2
2617	GADAW	870210		1000	870217	1100	870220	3	0.75	1336.00	31.4
2666	GADAW	870217		1100	870224	930	870305	1	0.65	1088.00	21.2
2686	GADAW	870303		945	870310	945	870317	2	0.50	858.00	12.2
2691	GADAW	870224		930	870303	945	870318	5	5.05	8829.00	13.5
2713	GADAW	870310	1.00	945	870317	930	870325	1	0.10	160.00	33.6
2737	GADAW	870317		930	870324	930	870327	1	0.75	1298.00	33.9
2759	GADAW	870324		930	870331	930	870407	4	2.65	4571.00	22.0
2785	GADAW	870331	2.00	930	870407	945	870414	1	0.90	1575.00	24.4
2802	GADAW	870407		945	870414	1000	870420	1	0.50	959.00	27.3
2831	GADAW	870414		1000	870421	930	870425	2	0.75	1327.00	14.5
2846	GADAW	870421		930	870428	930	870505	2	0.25	363.00	51.5

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2509	GADAW	870106	3.64	3		1.01	1.00	330.0	4.12	81.0	38.5
2541	GADAW	870113	4.26	3	31	0.90	1.13	575.0	5.51		5.4
2555	GADAW	870120	4.03	3		1.07	1.17	550.0	4.83	20.9	6.8
2595	GADAW	870127	3.81			1.03	1.04	550.0	4.46	41.5	19.6
2616	GADAW	870203	4.19	3		0.93	1.04	575.0	5.20	18.0	5.1
2617	GADAW	870210	3.67	3		1.06	1.03	575.0	4.26	65.7	27.8
2666	GADAW	870217	3.83			1.07	1.05	550.0	4.56	36.1	16.7
2686	GADAW	870303	4.19	3		0.89	1.17	550.0	4.86	21.8	7.9
2691	GADAW	870224	3.97	3		0.98	1.12	560.0	4.68	25.7	10.0
2713	GADAW	870310	4.17	3		1.12	1.02	110.0	4.18	73.7	34.0
2737	GADAW	870317	4.26		31	1.07	1.03	575.0	4.42	44.9	28.9
2759	GADAW	870324	4.39			1.03	1.08	575.0	4.42	43.6	20.5
2785	GADAW	870331	4.30			1.01	1.05	550.0	4.34	53.0	21.1
2802	GADAW	870407	4.29	3		1.02	1.06	550.0	4.46	42.2	20.9
2831	GADAW	870414	4.68	3		1.12	1.08	575.0	4.64	30.1	12.1
2846	GADAW	870421	4.00	3		1.04	0.99	330.0	4.10	93.1	43.8

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2509	GADAW	870106	0.019	0.255	-0.043	0.042	-0.010	2.390	3.463	0.562	0.115
			1.023	7.180	-0.930	0.439	-0.127	38.472	36.015	31.114	4.983
2541	GADAW	870113	0.010	0.131	-0.006	0.154	-0.008	0.436	0.893	0.300	0.082
			0.527	3.704	-0.122	1.621	-0.095	7.012	9.291	16.644	3.582
2555	GADAW	870120	0.011	0.139	-0.005	0.032	-0.007	0.557	0.634	0.099	0.080
			0.590	3.923	-0.111	0.336	-0.087	8.964	6.595	5.486	3.460
2595	GADAW	870127	0.013	0.788	-0.068	0.034	-0.065	0.908	1.911	0.252	0.423
			0.675	22.221	-1.484	0.352	-0.809	14.619	19.875	13.933	18.387
2616	GADAW	870203	-0.006	0.390	0.052	0.051	-0.018	0.366	0.288	0.129	0.203
			-0.303	10.993	1.132	0.530	-0.227	5.892	2.996	7.125	8.820
2617	GADAW	870210	0.018	0.152	-0.008	0.037	0.019	1.730	2.907	0.425	0.080
			0.973	4.284	-0.181	0.384	0.235	27.848	30.230	23.544	3.487
2666	GADAW	870217	0.012	0.070	0.012	-0.047	-0.024	1.490	2.091	0.466	0.041
			0.620	1.963	0.271	-0.493	-0.295	23.983	21.743	25.842	1.790
2686	GADAW	870303	0.009	0.162	-0.030	-0.194	-0.032	0.851	0.818	0.332	0.089
			0.473	4.556	-0.660	-2.040	-0.398	13.706	8.509	18.370	3.859
2691	GADAW	870224	0.009	0.230	-0.002	-0.060	-0.005	0.463	1.118	0.147	0.134
			0.449	6.499	-0.049	-0.629	-0.061	7.453	11.629	8.123	5.848
2713	GADAW	870310	0.009	0.240	-0.007	-0.058	-0.007	3.057	3.115	0.408	0.149
			0.464	6.755	-0.162	-0.608	-0.088	49.220	32.392	22.578	6.496
2737	GADAW	870317	0.016	0.486	-0.004	0.250	-0.014	2.216	3.843	0.803	0.266
			0.833	13.712	-0.095	2.630	-0.171	35.679	39.970	44.459	11.591
2759	GADAW	870324	0.008	0.436	-0.012	0.059	-0.020	1.147	2.342	0.426	0.241
			0.407	12.286	-0.262	0.617	-0.246	18.464	24.355	23.584	10.468
2785	GADAW	870331	0.004	0.067	-0.022	-0.050	-0.039	1.429	1.951	0.269	0.035
			0.222	1.886	-0.484	-0.529	-0.484	23.013	20.290	14.911	1.523
2802	GADAW	870407	0.012	0.190	-0.020	0.069	-0.008	1.627	2.512	0.601	0.086
			0.645	5.367	-0.432	0.728	-0.098	26.190	26.126	33.289	3.726
2831	GADAW	870414	0.006	0.208	-0.007	0.060	-0.007	0.569	1.537	0.230	0.133
			0.308	5.857	-0.162	0.626	-0.092	9.168	15.985	12.716	5.803
2846	GADAW	870421	0.022	0.172	-0.007	-0.059	-0.013	2.990	4.647	0.769	0.040
			1.168	4.855	-0.159	-0.620	-0.161	48.139	48.327	42.613	1.749

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2509	GADAW	870106	0.028	0.098	0.019
			0.719	2.451	0.785
2541	GADAW	870113	0.326	0.058	0.047
			8.327	1.449	1.922
2555	GADAW	870120	0.007	0.026	0.010
			0.172	0.639	0.423
2595	GADAW	870127	0.039	0.080	0.053
			1.007	1.992	2.191
2616	GADAW	870203	0.023	0.050	0.026
			0.585	1.243	1.087
2617	GADAW	870210	0.039	0.111	0.016
			0.991	2.773	0.669
2666	GADAW	870217	0.032	0.173	0.013
			0.811	4.324	0.543
2686	GADAW	870303	0.045	0.038	0.017
			1.153	0.937	0.704
2691	GADAW	870224	0.027	0.030	0.018
			0.697	0.759	0.742
2713	GADAW	870310	0.059	0.223	0.017
			1.501	5.560	0.698
2737	GADAW	870317	0.209	0.478	0.069
			5.354	11.919	2.823
2759	GADAW	870324	0.032	0.083	0.033
			0.821	2.073	1.342
2785	GADAW	870331	0.012	0.046	0.006
			0.319	1.151	0.245
2802	GADAW	870407	0.076	0.195	0.025
			1.943	4.869	1.047
2831	GADAW	870414	0.038	-0.014	0.022
			0.976	-0.340	0.921
2846	GADAW	870421	0.123	0.299	0.044
			3.158	7.469	1.790

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2858	GADAW	870428		930	870505	900	870511	1	0.050	102.000	68.000
2892	GADAW	870512	0.22	930	870519	930	870526	4	0.750	1224.000	18.900
2915	GADAW	870519	0.22	900	870526	930	870601	1	0.700	1193.000	31.400
2933	GADAW	870526	0.24	930	870602	930	870609	2	2.150	3684.000	52.600
2954	GADAW	870602	0.21	930	870609	900	870616	1	0.300	494.000	20.700
2966	GADAW	870609	0.21	900	870616	915	870619	3	1.400	2452.000	26.000
2989	GADAW	870616	0.22	915	870623	930	870626	6	5.100	8850.000	39.600
3028	GADAW	870623	10.22	930	870630	930	870707	2	1.150	1722.000	83.900
3041	GADAW	870630	10.20	930	870707	915	870710	6	2.050	2978.000	25.100
3127	GADAW	870804	0.22	930	870811	1000	870814	3	1.350	2328.000	31.000
3198	GADAW	870901	10.21	945	870908	915	870911	3	1.000	1689.000	10.100
3215	GADAW	870908	0.22	915	870915	1315	870918	3	0.400	692.000	42.200
3253	GADAW	870915	0.20	1315	870922	930	870928	1	0.550	1000.000	29.700
3274	GADAW	870929	0.17	930	871006	1315	871013	2	0.400	647.000	22.800
3303	GADAW	871020	0.16	1035	871027	915	871102	1	0.500	905.000	22.400
3335	GADAW	871103	0.24	915	871110	930	871117	2	0.950	1605.000	9.700
3356	GADAW	871110	0.24	1030	871117	930	871125	2	2.000	3591.000	10.700

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FUT gm	FCOND umho/cm
3378	GADAW	871117	0.23	925	871124	915	871201	1	0.100	159.000	36.100
3390	GADAW	871124	0.50	930	871201	915	871209	3		980.000	13.200
3405	GADAW	871201	0.23	900	871208	900	871215	1	0.250	408.000	24.800
3426	GADAW	871208	0.19	900	871215	1000	880105	4	2.000	3478.000	30.300
3427	GADAW	871215	0.21	1000	871222	900	880105	2	0.450	736.000	19.900
3428	GADAW	871222	0.20	900	871229	1015	880105	4	2.700	4614.000	21.300
3510	GADAW	871229	0.19	1015	880105	1045	880121	2	1.200	1961.000	20.900

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2850	GADAW	870428	4.070			0.988	0.903	25.000	4.210		67.086
2892	GADAW	870512	4.430	3.000		1.096	0.994	550.000	4.460	42.100	17.567
2915	GADAW	870519	4.290	3.000		1.037	0.955	550.000	4.290	64.000	30.641
2933	GADAW	870526	4.000			1.058	0.978	550.000	4.000	116.000	51.245
2954	GADAW	870602	4.280			1.045	0.996	450.000	4.250	66.800	28.593
2966	GADAW	870609	4.310			1.068	1.003	550.000	4.320	50.100	23.961
2989	GADAW	870616	4.070			1.078	1.021	550.000	4.110	89.300	36.414
3028	GADAW	870623	3.840	13.000	2134.000	1.057	0.978	550.000	3.900	144.700	76.377
3041	GADAW	870630	4.500	3.000	213134.000	1.001	1.032	550.000	4.540	36.400	22.761
3127	GADAW	870804	4.280	1.000	2134.000	1.031	1.073	550.000	4.390	48.000	25.918
3198	GADAW	870901	5.520		2134.000	0.807	1.169	550.000	5.669		8.018
3215	GADAW	870908	4.050	31.000	34.000	1.053	1.020	550.000	4.080	94.000	42.153
3253	GADAW	870915	4.230			1.076	1.027	550.000	4.240	65.600	26.561
3274	GADAW	870929	4.350	3.000		1.028	1.010	550.000	4.380	51.900	21.425
3303	GADAW	871020	4.340	3.000		1.028	1.074	550.000	4.450	42.400	16.730
3335	GADAW	871103	4.870			0.987	1.140	550.000	4.900	15.300	7.204
3356	GADAW	871110	4.880	3.000		1.040	1.154	550.000	4.910	18.800	8.110

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3378	GADAW	871117	4.230	3.000		1.055	0.999	120.000	4.300	60.000	30.531
3390	GADAW	871124	5.100	3.000	2134.000	0.882	1.004	550.000	5.270	14.600	13.480
3405	GADAW	871201	4.520	31.000	99.000	9999.000	9999.000	375.000	4.610		
3426	GADAW	871208	4.320			1.001	1.111	550.000	4.280	58.200	26.796
3427	GADAW	871215	4.550			1.032	1.101	550.000	4.540	32.800	16.199
3428	GADAW	871222	4.420			1.015	1.153	550.000	4.380	45.300	17.848
3510	GADAW	871229	4.450			0.988	1.147	550.000	4.430	36.200	17.218

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2858	GADAW	870428	0.061	0.801	-0.007	-0.060	-0.016	5.220	8.812	3.537	0.187
			3.186	22.576	-0.157	-0.626	-0.197	84.037	91.646	195.956	8.149
2892	GADAW	870512	0.011	0.189	-0.003	0.048	-0.014	1.092	1.546	0.161	0.122
			0.584	5.325	-0.059	0.503	-0.169	17.578	16.073	8.936	5.311
2915	GADAW	870519	-0.036	0.192	-0.012	-0.055	-0.009	1.610	3.518	0.668	0.095
			-1.892	5.404	-0.271	-0.581	-0.118	25.919	36.587	37.000	4.148
2933	GADAW	870526	0.036	0.276	-0.006	-0.051	-0.005	2.357	5.295	0.665	0.161
			1.916	7.782	-0.128	-0.531	-0.067	37.943	55.065	36.843	7.007
2954	GADAW	870602	0.032	0.204	-0.008	0.069	-0.004	1.638	2.659	0.324	0.104
			1.676	5.743	-0.172	0.729	-0.055	26.370	27.657	17.966	4.538
2966	GADAW	870609	0.018	0.183	-0.006	-0.061	-0.005	1.163	2.492	0.244	0.092
			0.944	5.154	-0.138	-0.645	-0.059	18.717	25.913	13.535	3.993
2989	GADAW	870616	0.019	0.143	-0.004	-0.046	-0.021	1.806	3.694	0.378	0.048
			0.976	4.028	-0.096	-0.485	-0.267	29.071	38.414	20.927	2.093
3028	GADAW	870623	0.047	0.318	-0.003	0.369	-0.006	3.924	9.188	2.089	0.054
			2.449	8.955	-0.072	3.875	-0.077	63.175	95.553	115.733	2.346
3041	GADAW	870630	0.023	0.206	-0.002	0.165	-0.005	1.794	3.132	1.000	0.105
			1.212	5.799	-0.036	1.731	-0.063	28.875	32.570	55.394	4.561
3127	GADAW	870804	0.024	0.241	-0.011	0.216	-0.018	1.767	3.449	0.861	0.059
			1.263	6.792	-0.241	2.263	-0.227	28.449	35.867	47.691	2.567
3198	GADAW	870901	0.022	0.183	0.031	0.176	-0.014	1.316	1.285	0.943	0.084
			1.138	5.156	0.672	1.848	-0.179	21.188	13.362	52.251	3.646
3215	GADAW	870908	0.025	0.169	-0.000	-0.067	0.034	2.589	4.428	0.623	0.044
			1.312	4.769	-0.010	-0.705	0.431	41.688	46.048	34.525	1.903
3253	GADAW	870915	0.014	0.072	-0.002	-0.052	-0.017	1.156	2.811	0.285	0.015
			0.718	2.034	-0.046	-0.546	-0.219	18.612	29.232	15.800	0.634
3274	GADAW	870929	0.015	0.314	-0.004	-0.080	-0.008	1.255	1.987	0.267	0.187
			0.803	8.844	-0.085	-0.838	-0.102	20.208	20.668	14.814	8.129
3303	GADAW	871020	0.009	0.267	-0.002	-0.027	-0.034	1.100	1.540	0.154	0.155
			0.472	7.535	-0.043	-0.278	-0.426	17.707	16.011	8.535	6.728
3335	GADAW	871103	0.007	0.480	-0.002	-0.064	-0.016	0.415	0.645	0.100	0.270
			0.361	13.534	-0.054	-0.674	-0.203	6.687	6.709	5.517	11.755
3356	GADAW	871110	-0.002	0.794	-0.014	-0.084	-0.009	0.329	0.795	0.105	0.412
			-0.112	22.400	-0.307	-0.880	-0.118	5.304	8.266	5.825	17.935

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3378	GADAW	871117	0.027	0.329	0.018	0.009	-0.017	1.228	4.142	0.657	0.185
			1.409	9.290	0.382	0.097	-0.212	19.771	43.077	36.405	8.059
3390	GADAW	871124	-0.006	0.492	0.053	0.022	-0.024	1.392	1.951	1.105	0.277
			-0.311	13.868	1.162	0.228	-0.306	22.403	20.290	61.207	12.039
3405	GADAW	871201									
3426	GADAW	871208	0.017	0.859	-0.007	0.018	-0.016	1.837	2.516	0.426	0.487
			0.875	24.234	-0.143	0.194	-0.195	29.578	26.170	23.584	21.191
3427	GADAW	871215	0.014	0.621	0.016	0.020	-0.015	1.088	1.634	0.330	0.343
			0.738	17.518	0.350	0.210	-0.190	17.519	16.991	18.283	14.901
3428	GADAW	871222	0.008	0.385	-0.006	0.013	-0.015	0.653	1.963	0.188	0.186
			0.427	10.847	-0.136	0.136	-0.184	10.508	20.414	10.402	8.091
3510	GADAW	871229	0.007	0.505	-0.101	0.020	-0.180	0.877	1.748	0.254	0.262
			0.390	14.248	-2.197	0.215	-2.252	14.127	18.183	14.064	11.386

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2858	GADAW	870428	0.403	0.358	0.041
			10.311	8.933	1.687
2892	GADAW	870512	0.016	0.032	0.019
			0.403	0.802	0.768
2915	GADAW	870519	0.065	0.110	0.020
			1.660	2.746	0.827
2933	GADAW	870526	0.049	0.059	0.025
			1.252	1.462	1.037
2954	GADAW	870602	0.058	0.118	0.023
			1.475	2.935	0.936
2966	GADAW	870609	0.055	0.079	0.018
			1.403	1.981	0.730
2989	GADAW	870616	0.027	0.026	0.012
			0.689	0.660	0.482
3028	GADAW	870623	0.318	0.157	0.044
			8.147	3.927	1.793
3041	GADAW	870630	0.317	0.114	0.047
			8.112	2.837	1.925
3127	GADAW	870804	0.285	0.198	0.047
			7.278	4.931	1.937
3198	GADAW	870901	0.236	0.158	0.036
			6.033	3.932	1.476
3215	GADAW	870908	0.147	0.159	0.034
			3.754	3.964	1.414
3253	GADAW	870915	-0.002	0.009	0.004
			-0.043	0.237	0.159
3274	GADAW	870929	0.007	0.050	0.029
			0.175	1.250	1.187
3303	GADAW	871020	0.035	0.060	0.023
			0.902	1.495	0.938
3335	GADAW	871103	0.023	0.023	0.036
			0.591	0.574	1.482
3356	GADAW	871110	0.022	0.030	0.055
			0.573	0.739	2.262

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3378	GADAW	871117	0.122	0.232	0.029
			3.124	5.780	1.192
3390	GADAW	871124	0.100	0.084	0.048
			2.570	2.090	1.965
3405	GADAW	871201			
3426	GADAW	871208	0.062	0.082	0.062
			1.594	2.034	2.566
3427	GADAW	871215	0.039	0.047	0.042
			1.003	1.182	1.725
3428	GADAW	871222	0.015	-0.008	0.023
			0.385	-0.192	0.961
3510	GADAW	871229	0.025	0.022	0.032
			0.642	0.551	1.308

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2500	GADUF	870106		915	870113	945	870120	1	0.03	82.00	
2542	GADUF	870113		945	870120	930	870128	4	3.37	5776.00	9.3
2566	GADUF	870120	2.00	915	870127	9000	870205	4	2.12	3740.00	10.7
2611	GADUF	870127		900	870203	930	870218	1	0.30	484.00	10.6
2619	GADUF	870203		915	870210	920	870220	2	0.98	1621.00	11.8
2642	GADUF	870210		915	870217	930	870226	1	0.70	1066.00	24.4
2660	GADUF	870217		915	870224	920	870304	1		981.00	30.1
2692	GADUF	870303		915	870310	935	870318	2	1.20	2125.00	6.2
2786	GADUF	870324		915	870331	945	870414	5	2.95	5339.00	9.8
2787	GADUF	870331		930	870407	915	870414	1	0.25	452.00	15.0
2832	GADUF	870414		930	870421	915	870425	4	1.02	1603.00	14.8

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2500	GADUF	870106				1.05	0.97	75.0	3.96		59.9
2542	GADUF	870113	4.85	3	31	0.93	1.25	525.0	5.23	13.4	5.7
2566	GADUF	870120	4.79	3		1.02	1.16	500.0	4.73	23.8	7.9
2611	GADUF	870127	4.88	3		1.00	1.11	450.0	5.03	12.4	7.8
2619	GADUF	870203	4.75	3		1.03	1.16	550.0	4.72	22.6	9.0
2642	GADUF	870210	4.38	3		0.99	1.09	525.0	4.42	43.0	18.7
2660	GADUF	870217	4.23	3		1.13	1.01	500.0	4.25	68.5	26.2
2692	GADUF	870303	5.04			0.92	1.18	475.0	5.07	15.1	4.6
2786	GADUF	870324	4.73			1.00	1.09	500.0	4.71	23.0	9.8
2787	GADUF	870331	4.49	3		0.97	1.07	425.0	4.50	38.8	16.1
2832	GADUF	870414	4.46	3		1.03	1.04	525.0	4.40	47.6	20.4

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2500	GADUF	870106	0.028	0.807	-0.039	0.024	-0.010	2.833	6.010	0.785	0.453
			1.451	22.747	-0.842	0.250	-0.125	45.609	62.500	43.510	19.695
2542	GADUF	870113	-0.004	0.243	-0.006	0.101	-0.008	0.486	0.902	0.398	0.120
			-0.205	6.843	-0.122	1.063	-0.095	7.832	9.381	22.022	5.222
2566	GADUF	870120	0.008	0.098	-0.082	0.028	-0.079	0.426	0.816	0.087	0.053
			0.420	2.753	-1.783	0.293	-0.986	6.855	8.491	4.801	2.309
2611	GADUF	870127	0.009	0.473	-0.009	0.038	-0.024	0.553	0.966	0.235	0.297
			0.488	13.327	-0.199	0.398	-0.301	8.911	10.043	13.029	12.917
2619	GADUF	870203	0.009	0.400	-0.008	0.032	-0.013	0.563	0.759	0.047	0.228
			0.487	11.269	-0.171	0.336	-0.166	9.066	7.898	2.583	9.923
2642	GADUF	870210	0.015	0.153	-0.003	-0.038	-0.007	1.025	2.190	0.415	0.073
			0.768	4.317	-0.054	-0.398	-0.083	16.506	22.774	23.017	3.193
2660	GADUF	870217	0.019	0.076	0.020	-0.034	-0.023	1.618	2.410	0.186	0.024
			0.974	2.146	0.426	-0.358	-0.290	26.051	25.060	10.304	1.051
2692	GADUF	870303	-0.002	0.314	-0.002	-0.060	-0.005	0.235	0.409	0.070	0.187
			-0.123	8.854	-0.048	-0.625	-0.063	3.782	4.253	3.881	8.153
2786	GADUF	870324	0.002	0.280	-0.022	-0.052	-0.038	0.628	0.923	0.100	0.166
			0.102	7.893	-0.486	-0.547	-0.472	10.110	9.597	5.544	7.223
2787	GADUF	870331	0.004	0.175	-0.022	-0.054	-0.037	0.962	1.788	0.234	0.097
			0.207	4.925	-0.487	-0.565	-0.460	15.489	18.592	12.988	4.213
2832	GADUF	870414	0.008	0.254	-0.007	-0.058	-0.008	1.186	2.138	0.227	0.147
			0.428	7.168	-0.162	-0.609	-0.096	19.100	22.234	12.560	6.391

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2500	GADUF	870106	0.088 2.248	0.147 3.670	0.060 2.481
2542	GADUF	870113	0.101 2.573	0.043 1.082	0.017 0.711
2566	GADUF	870120	0.014 0.351	0.016 0.397	0.007 0.293
2611	GADUF	870127	0.065 1.661	0.075 1.863	0.041 1.701
2619	GADUF	870203	0.044 1.128	0.029 0.734	0.032 1.313
2642	GADUF	870210	0.036 0.929	0.037 0.922	0.012 0.477
2660	GADUF	870217	0.018 0.471	0.051 1.263	0.006 0.229
2692	GADUF	870303	0.025 0.649	0.002 0.053	0.021 0.858
2786	GADUF	870324	0.036 0.932	0.048 1.198	0.023 0.943
2787	GADUF	870331	0.127 3.248	0.118 2.954	0.026 1.076
2832	GADUF	870414	0.110 2.826	0.106 2.641	0.031 1.256

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2866	GADUF	870428		930	870505	930	870512			183.000	41.000
2911	GADUF	870519		945	870526	930	870529	2	0.750	1369.000	62.700
2955	GADUF	870602		915	870609	900	870616	1		517.000	12.300
2975	GADUF	870609		915	870616	930	870622	3	1.670	2721.000	14.200
2997	GADUF	870616		915	870623	900	870629	5	1.450	2368.000	14.000
3018	GADUF	870623		900	870630	900	870702	3	1.850	3266.000	22.500
3045	GADUF	870630	0.23	915	870707	930	870713	3	0.580	1050.000	13.200
3111	GADUF	870728		930	870804	915	870811	2	0.150	129.000	
3129	GADUF	870804	0.24	915	870811	900	870817	3	3.020	3213.000	47.600
3183	GADUF	870825	0.24	900	870901	900	870908	2	2.550	4173.000	32.400
3259	GADUF	870915			870922	900	870929	1	0.200	344.000	
3307	GADUF	871020		1000	871027	930	871103	1	0.080	107.000	
3336	GADUF	871103	0.17	915	871110	900	871117	1	0.400	659.000	11.200
3357	GADUF	871110	0.18	915	871118	930	871125	3	2.470	4185.000	9.000
3431	GADUF	871208	0.21	900	871215	900	880105	1	0.700	1192.000	10.200
3432	GADUF	871215	0.19	915	871222	920	880105	2	0.650	939.000	10.500
3433	GADUF	871222	0.20	900	871229	1000	880105	3	0.500	836.000	11.500

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2866	GADUF	870428	3.880	3.000		1.083	0.951	130.000	3.920	137.000	69.862
2911	GADUF	870519	3.930			1.077	0.981	525.000	3.910	137.200	58.034
2955	GADUF	870602	4.540		21.000	0.990	1.038	475.000	4.520	38.400	16.268
2975	GADUF	870609	4.550	3.000	3134.000	1.042	1.070	525.000	4.520	37.000	13.383
2997	GADUF	870616	4.500	3.000	34.000	1.071	2.169	475.000	4.540	37.300	6.637
3018	GADUF	870623	4.410	3.000	3132.000	1.023	1.071	550.000	4.460	41.900	23.328
3045	GADUF	870630	4.670	3.000		1.027	1.070	500.000	4.600	28.700	12.691
3111	GADUF	870728		13.000	2134.000	1.078	0.984	130.000	3.740	207.300	104.423
3129	GADUF	870804	4.100	1.000	2134.000	1.051	1.061	525.000	4.050	102.500	39.794
3183	GADUF	870825	4.200			1.042	1.075	530.000	4.160	76.500	29.555
3259	GADUF	870915		3.000		1.106	0.997	375.000	4.130	87.000	34.622
3307	GADUF	871020		3.000		1.030	1.039	100.000	4.380	50.200	24.819
3336	GADUF	871103	4.000	3.000		1.003	1.121	500.000	4.830	17.300	8.583
3357	GADUF	871110	5.020			0.972	1.166	525.000	5.030	14.900	7.862
3431	GADUF	871208	4.560	3.000		0.990	1.165	550.000	4.630	25.100	11.843
3432	GADUF	871215	4.650			0.979	1.246	525.000	4.760	21.500	7.346
3433	GADUF	871222	4.450			0.979	1.164	500.000	4.500	33.900	15.082

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ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2866	GADUF	870428	0.049	0.364	-0.015	-0.044	-0.043	4.420	7.363	1.111	0.157
			2.596	10.276	-0.319	-0.459	-0.538	71.167	76.578	61.560	6.838
2911	GADUF	870519	0.039	0.254	-0.011	-0.052	-0.010	2.115	5.699	0.343	0.091
			2.031	7.175	-0.234	-0.551	-0.130	34.048	59.274	19.007	3.946
2955	GADUF	870602	0.029	0.155	-0.008	-0.064	-0.004	1.438	1.419	0.405	0.064
			1.532	4.370	-0.169	-0.675	-0.056	23.153	14.757	22.452	2.786
2975	GADUF	870609	0.012	0.138	-0.005	-0.067	-0.009	0.768	1.218	0.071	0.064
			0.632	3.901	-0.116	-0.698	-0.108	12.358	12.669	3.923	2.786
2997	GADUF	870616	0.011	0.137	-0.003	-0.033	-0.026	0.795	1.378	0.132	0.090
			0.572	3.874	-0.065	-0.345	-0.330	12.793	14.327	7.336	3.920
3018	GADUF	870623	0.019	0.106	-0.004	0.185	-0.012	1.237	3.609	0.900	0.025
			0.990	2.992	-0.094	1.946	-0.154	19.922	37.533	49.835	1.073
3045	GADUF	870630	0.012	0.253	-0.002	-0.055	-0.005	1.227	0.962	0.159	0.161
			0.607	7.129	-0.053	-0.576	-0.063	19.753	10.003	8.827	7.016
3111	GADUF	870728	0.092	0.377	-0.001	-0.081	0.090	4.554	13.477	2.108	0.152
			4.865	10.630	-0.026	-0.849	1.124	73.326	140.155	116.804	6.628
3129	GADUF	870804	0.034	0.119	-0.011	-0.077	-0.017	1.585	4.409	0.405	0.030
			1.805	3.353	-0.232	-0.813	-0.209	25.526	45.853	22.462	1.305
3183	GADUF	870825	0.022	0.093	-0.005	-0.072	-0.010	1.285	3.045	0.220	0.030
			1.166	2.629	-0.110	-0.755	-0.129	20.693	31.663	12.212	1.318
3259	GADUF	870915	0.021	0.165	-0.002	-0.079	-0.006	1.784	3.195	0.191	0.059
			1.111	4.649	-0.047	-0.829	-0.072	28.717	33.226	10.562	2.549
3307	GADUF	871020	0.025	0.858	-0.002	-0.029	-0.033	1.650	2.451	0.211	0.588
			1.300	24.189	-0.043	-0.304	-0.408	26.566	25.490	11.691	25.598
3336	GADUF	871103	0.009	0.665	-0.002	-0.065	-0.016	0.415	0.700	0.060	0.370
			0.456	18.757	-0.053	-0.688	-0.195	6.686	7.277	3.303	16.074
3357	GADUF	871110	-0.002	1.261	-0.014	-0.081	0.033	0.189	0.494	0.029	0.691
			-0.116	35.557	-0.300	-0.847	0.414	3.041	5.137	1.615	30.071
3431	GADUF	871208	-0.002	0.442	-0.007	0.024	-0.017	0.740	1.272	0.182	0.274
			-0.112	12.465	-0.157	0.247	-0.215	11.908	13.225	10.098	11.925
3432	GADUF	871215	-0.002	0.214	-0.007	0.018	-0.017	0.470	0.761	0.120	0.110
			-0.110	6.031	-0.154	0.191	-0.210	7.561	7.911	6.634	4.782
3433	GADUF	871222	0.009	0.613	-0.007	0.014	-0.016	0.878	1.418	0.196	0.355
			0.488	17.293	-0.150	0.146	-0.205	14.134	14.752	10.832	15.455

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2866	GADUF	870428	0.154	0.463	0.056
			3.944	11.563	2.304
2911	GADUF	870519	0.067	0.053	0.014
			1.719	1.318	0.595
2955	GADUF	870602	0.044	0.035	0.014
			1.123	0.882	0.562
2975	GADUF	870609	0.033	0.037	0.015
			0.834	0.922	0.612
2997	GADUF	870616	0.021	0.027	0.014
			0.538	0.661	0.593
3018	GADUF	870623	0.570	0.020	0.020
			14.583	0.511	0.822
3045	GADUF	870630	0.023	0.061	0.023
			0.576	1.512	0.962
3111	GADUF	870728	0.186	0.577	0.077
			4.759	14.401	3.177
3129	GADUF	870804	0.036	0.054	0.011
			0.921	1.341	0.435
3183	GADUF	870825	0.006	0.032	0.006
			0.160	0.793	0.234
3259	GADUF	870915	0.031	0.050	0.017
			0.800	1.258	0.704
3307	GADUF	871020	0.350	0.165	0.052
			8.943	4.108	2.149
3336	GADUF	871103	0.042	0.025	0.049
			1.066	0.619	2.007
3357	GADUF	871110	0.042	0.028	0.089
			1.070	0.697	3.668
3431	GADUF	871208	0.034	0.056	0.038
			0.866	1.409	1.576
3432	GADUF	871215	0.038	0.000	0.012
			0.979	0.011	0.510
3433	GADUF	871222	0.030	0.029	0.041
			0.770	0.726	1.698

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

27-MAY-88
PAGE 1-7

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2512	GAHIW	870106	1.00	930	870113	945	870122	5	0.23	208.50	59.8
2543	GAHIW	870113		930	870120	1000	870128			5363.00	7.6
2565	GAHIW	870120	2.00	930	870127	945	870205			3659.50	12.2
2618	GAHIW	870127	20.00	945	870203	930	870220	5		1700.50	11.7
2647	GAHIW	870203	10.00	930	870217	900	870227	7		2253.50	24.6
2668	GAHIW	870217		900	870224	920	870306	3	0.51	829.50	42.6
2701	GAHIW	870303	10.00	930	870310	1000	870320	3	0.85	1468.50	14.7
2720	GAHIW	870224	10.00	920	870303	930	870325	7		7102.00	10.7
2731	GAHIW	870310	10.00	1000	870317	900	870326	1		103.50	
2760	GAHIW	870317	12.00	900	870331	1000	870407	6	3.31	4018.50	21.1
2847	GAHIW	870331	10.00	1000	870428	1000	870505	7		1265.00	84.8

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2512	GAHIW	870106	3.96	3	21	1.01	0.99	150.0	3.99	115.7	58.2
2543	GAHIW	870113	4.78		21	1.10	1.16	575.0	4.82	22.5	6.2
2565	GAHIW	870120	4.56		21	1.09	1.06	550.0	4.57	32.6	12.7
2618	GAHIW	870127	4.49	3	21	1.03	1.09	575.0	4.50	38.1	15.3
2647	GAHIW	870203	4.20	3	21	1.00	1.07	550.0	4.25	61.2	26.2
2668	GAHIW	870217	4.04	3	21	1.09	1.01	550.0	4.08	95.7	40.2
2701	GAHIW	870303	4.53		21	1.06	1.10	560.0	4.56	34.2	12.4
2720	GAHIW	870224	4.67		21	1.12	1.18	575.0	4.76	22.7	7.5
2731	GAHIW	870310		3	2199	9999.00	9999.00	100.0	6.93		
2760	GAHIW	870317	4.39	3	21	1.04	1.07	575.0	4.68	25.4	17.2
2847	GAHIW	870331	3.77	3	213299	9999.00	9999.00	550.0	3.85		

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2512	GAHIW	870106	0.023	0.443	-0.036	0.044	-0.010	3.478	6.216	1.001	0.185
			1.187	12.486	-0.784	0.466	-0.122	55.993	64.649	55.467	8.027
2543	GAHIW	870113	-0.004	0.076	-0.006	0.035	-0.008	0.342	0.607	0.029	0.033
			-0.199	2.155	-0.121	0.365	-0.094	5.500	6.316	1.632	1.453
2565	GAHIW	870120	0.009	0.225	-0.078	0.036	-0.075	0.988	0.959	0.080	0.[illegible]13
			0.465	6.336	-1.690	0.379	-0.936	15.911	9.970	4.406	4.918
2618	GAHIW	870127	0.008	0.292	-0.008	-0.023	-0.014	0.911	1.597	0.177	0.186
			0.439	8.232	-0.174	-0.241	-0.178	14.663	16.607	9.787	8.105
2647	GAHIW	870203	0.013	0.160	-0.002	-0.040	-0.007	1.350	2.798	0.285	0.077
			0.678	4.520	-0.040	-0.419	-0.094	21.734	29.095	15.784	3.348
2668	GAHIW	870217	0.017	0.090	-0.012	-0.054	-0.024	2.749	3.811	0.270	0.059
			0.877	2.538	-0.258	-0.570	-0.298	44.266	39.639	14.967	2.577
2701	GAHIW	870303	0.007	0.097	-0.001	-0.054	-0.007	0.828	1.274	0.136	0.052
			0.366	2.748	-0.032	-0.572	-0.084	13.331	13.252	7.546	2.252
2720	GAHIW	870224	-0.002	0.156	-0.001	0.064	-0.012	0.395	0.812	0.058	0.087
			-0.123	4.402	-0.028	0.671	-0.150	6.364	8.446	3.217	3.796
2731	GAHIW	870310									
2760	GAHIW	870317	0.011	0.284	-0.012	0.220	-0.021	1.229	2.562	0.707	0.145
			0.572	8.019	-0.268	2.305	-0.258	19.793	26.641	39.149	6.303
2847	GAHIW	870331									

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2512	GAHIW	870106	0.467	0.289	0.091
			11.935	7.204	3.753
2543	GAHIW	870113	0.013	0.013	0.006
			0.331	0.322	0.237
2565	GAHIW	870120	0.011	0.050	0.016
			0.287	1.259	0.650
2618	GAHIW	870127	0.024	0.061	0.026
			0.620	1.523	1.066
2647	GAHIW	870203	0.059	0.140	0.020
			1.520	3.481	0.839
2668	GAHIW	870217	0.043	0.282	0.018
			1.108	7.033	0.758
2701	GAHIW	870303	0.023	0.041	0.011
			0.594	1.027	0.433
2720	GAHIW	870224	0.012	0.023	0.010
			0.312	0.565	0.426
2731	GAHIW	870310			
2760	GAHIW	870317	0.214	0.185	0.051
			5.467	4.620	2.081
2847	GAHIW	870331			

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2902	GAHIW	870428		1000	870519	930	870528	6	3.060	5276.500	8.800
2916	GAHIW	870519		930	870526	1300	870601			30.000	
2934	GAHIW	870526		1300	870602	900	870609	7	2.160	3697.500	23.700
2990	GAHIW	870609		930	870623	900	870626	6		3797.000	23.100
3021	GAHIW	870623		900	870630	930	870706	2	0.940	1560.000	37.100
3046	GAHIW	870630		930	870707	900	870713	5	1.620	2374.000	17.700
3070	GAHIW	870707		900	870714	930	870720	6	0.250	397.000	30.600
3110	GAHIW	870728		930	870804	1000	870811	5	0.720	1267.000	41.200
3151	GAHIW	870804		1000	870811	930	870825	6	2.270	3800.000	43.800
3201	GAHIW	870811		930	870908	1000	870914		1.600	4010.000	15.200
3230	GAHIW	870908		900	870915	930	870922			2827.000	17.800
3231	GAHIW	870915		930	870922	930	870922	3	0.410	700.000	24.700
3308	GAHIW	870929		1030	871027	900	871103	2	0.950	2613.000	26.800
3337	GAHIW	871027		900	871110	900	871117	1	1.880	3212.500	8.000
3369	GAHIW	871110		900	871124	900	871130	8	3.330	5805.000	11.000
3384	GAHIW	871124		900	871201	930	871207	3	1.000	1656.500	3.800
3429	GAHIW	871208		930	871222	1000	880105	7	1.870	3426.000	28.500

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3430	GAHIW	871222		1000	871229	1400	880105	5	1.390	2381.000	13.700
3474	GAHIW	871229		1400	880105	930	880111	5	0.650	1033.500	8.900

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2902	GAHIW	870428	4.870	3.000		0.985	1.109	550.000	4.860	19.000	8.422
2916	GAHIW	870519		3.000		1.071	0.928	25.000	4.010		62.329
2934	GAHIW	870526	4.300			0.980	1.010	550.000	4.290	59.800	25.814
2990	GAHIW	870609	4.310		34.000	1.065	1.042	550.000	4.310	57.400	21.872
3021	GAHIW	870623	4.080			1.030	1.012	550.000	4.090	95.200	36.183
3046	GAHIW	870630	4.410		34.000	1.049	1.056	550.000	4.420	45.000	16.512
3070	GAHIW	870707	4.230	3.000		1.038	1.067	330.000	4.270	64.100	26.213
3110	GAHIW	870728	4.040	1.000	34.000	1.053	1.057	550.000	4.050	102.700	41.813
3151	GAHIW	870804	4.050	3.000		1.038	1.092	550.000	4.030	103.600	40.646
3201	GAHIW	870811	4.520		34.000	1.022	1.173	550.000	4.540	36.500	11.756
3230	GAHIW	870908	4.400			1.052	1.090	550.000	4.430	43.600	15.707
3231	GAHIW	870915	4.280			1.058	1.055	550.000	4.270	63.900	23.770
3308	GAHIW	870929	4.300			1.032	1.047	550.000	4.240	64.700	26.832
3337	GAHIW	871027	4.900			0.943	1.263	550.000	4.880	18.100	6.088
3369	GAHIW	871110	4.670	3.000	34.000	1.005	1.150	550.000	4.770	22.400	9.284
3384	GAHIW	871124	4.990			0.231	2.505	550.000	5.020	12.700	3.278
3429	GAHIW	871208	4.290			1.027	1.104	550.000	4.320	52.100	21.943

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3430	GAHIW	871222	4.460			1.011	1.223	550.000	4.510	31.200	11.726
3474	GAHIW	871229	4.740			1.000	1.315	550.000	4.760	19.100	5.967

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2902	GAHIW	870428	-0.021	0.128	-0.007	0.058	-0.013	0.750	1.002	0.232	0.083
			-1.105	3.611	-0.151	0.609	-0.158	12.078	10.417	12.863	3.600
2916	GAHIW	870519	0.093	0.323	-0.014	-0.057	-0.009	4.196	6.579	1.436	0.165
			4.894	9.104	-0.299	-0.603	-0.109	67.548	68.418	79.558	7.160
2934	GAHIW	870526	0.027	0.164	-0.006	-0.051	-0.005	1.326	2.560	0.403	0.099
			1.429	4.630	-0.131	-0.536	-0.066	21.348	26.622	22.313	4.321
2990	GAHIW	870609	0.014	0.102	-0.004	-0.045	-0.022	0.986	2.194	0.156	0.044
			0.729	2.878	-0.088	-0.471	-0.273	15.869	22.816	8.623	1.921
3021	GAHIW	870623	0.019	0.062	-0.004	-0.017	-0.007	1.007	3.767	0.206	0.007
			1.009	1.742	-0.092	-0.181	-0.085	16.219	39.172	11.410	0.319
3046	GAHIW	870630	0.014	0.083	-0.003	-0.055	-0.005	0.929	1.467	0.122	0.029
			0.731	2.339	-0.057	-0.579	-0.063	14.962	15.261	6.782	1.252
3070	GAHIW	870707	0.031	0.187	-0.010	-0.052	-0.017	1.444	2.977	0.375	0.113
			1.639	5.270	-0.221	-0.544	-0.216	23.244	30.959	20.789	4.919
3110	GAHIW	870728	0.042	0.144	-0.001	-0.081	-0.008	2.078	4.662	0.569	0.021
			2.204	4.067	-0.028	-0.850	-0.100	33.459	48.488	31.544	0.922
3151	GAHIW	870804	-0.005	0.106	-0.003	-0.077	-0.004	1.831	4.620	0.444	0.025
			-0.278	2.994	-0.060	-0.813	-0.056	29.481	48.051	24.619	1.097
3201	GAHIW	870811	0.011	0.147	-0.006	-0.065	-0.015	0.839	1.088	0.088	0.079
			0.600	4.140	-0.125	-0.687	-0.190	13.515	11.312	4.864	3.423
3230	GAHIW	870908	0.008	0.043	-0.001	-0.049	-0.007	0.720	1.660	0.132	0.007
			0.399	1.211	-0.014	-0.510	-0.082	11.588	17.269	7.301	0.320
3231	GAHIW	870915	0.012	0.070	-0.001	-0.046	-0.006	1.059	2.490	0.209	0.026
			0.623	1.984	-0.014	-0.481	-0.077	17.053	25.899	11.567	1.134
3308	GAHIW	870929	0.015	0.217	-0.002	-0.030	-0.032	1.255	2.779	0.276	0.116
			0.792	6.120	-0.043	-0.313	-0.401	20.213	28.899	15.307	5.037
3337	GAHIW	871027	0.006	0.454	-0.002	-0.066	-0.015	0.310	0.502	0.039	0.247
			0.330	12.813	-0.053	-0.695	-0.192	4.990	5.221	2.165	10.726
3369	GAHIW	871110	-0.003	0.683	-0.008	-0.030	-0.008	0.413	0.844	0.074	0.371
			-0.177	19.254	-0.182	-0.311	-0.105	6.649	8.774	4.107	16.118
3384	GAHIW	871124	-0.005	0.159	-0.006	0.021	-0.020	0.280	0.233	0.855	0.086
			-0.285	4.482	-0.120	0.217	-0.256	4.506	2.424	47.367	3.722
3429	GAHIW	871208	-0.006	0.521	-0.001	0.010	-0.007	1.237	2.060	0.195	0.257
			-0.342	14.703	-0.031	0.101	-0.089	19.912	21.420	10.809	11.168

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3430	GAHIU	871222	-0.002	0.207	-0.007	0.013	-0.018	0.491	1.255	0.062	0.102
			-0.114	5.847	-0.161	0.138	-0.220	7.907	13.048	3.456	4.422
3474	GAHIU	871229	-0.002	0.091	-0.005	0.021	-0.011	0.351	0.586	0.023	0.046
			-0.082	2.554	-0.100	0.222	-0.133	5.645	6.092	1.301	1.992

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2902	GAHIW	870428	0.042	0.118	0.023
			1.065	2.940	0.933
2916	GAHIW	870519	0.166	0.236	0.054
			4.249	5.885	2.202
2934	GAHIW	870526	0.055	0.040	0.018
			1.417	1.002	0.752
2990	GAHIW	870609	0.014	0.020	0.009
			0.363	0.502	0.377
3021	GAHIW	870623	0.000	0.041	0.003
			0.006	1.023	0.125
3046	GAHIW	870630	0.008	-0.035	0.005
			0.199	-0.872	0.207
3070	GAHIW	870707	0.024	0.140	0.027
			0.614	3.498	1.114
3110	GAHIW	870728	0.025	0.146	0.014
			0.649	3.637	0.585
3151	GAHIW	870804	0.004	0.094	0.012
			0.106	2.345	0.512
3201	GAHIW	870811	0.022	0.033	0.011
			0.571	0.835	0.457
3230	GAHIW	870908	0.003	0.013	0.003
			0.087	0.314	0.120
3231	GAHIW	870915	0.009	0.020	0.006
			0.223	0.507	0.233
3308	GAHIW	870929	0.033	0.056	0.016
			0.835	1.410	0.642
3337	GAHIW	871027	0.028	0.021	0.032
			0.718	0.517	1.305
3369	GAHIW	871110	0.024	0.029	0.050
			0.624	0.718	2.061
3384	GAHIW	871124	0.010	0.017	0.012
			0.246	0.426	0.499
3429	GAHIW	871208	0.033	0.054	0.034
			0.836	1.357	1.384

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3430	GAHIW	871222	0.014	-0.008	0.012
			0.359	-0.189	0.495
3474	GAHIW	871229	0.007	-0.014	0.005
			0.188	-0.347	0.186

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2529	GASUM	870106		845	870113	945	870123			279.70	33.0
2530	GASUM	870113		945	870120	900	870123	6	3.45	5882.50	14.6
2702	GASUM	870120	2.00	900	870127	900	870320	3	1.84	3292.00	14.3
2703	GASUM	870127		900	870204	1030	870320	1	0.85	1524.50	11.1
2704	GASUM	870204		1030	870210	1130	870320	1	0.19	321.70	18.6
2705	GASUM	870210		1130	870217	900	870320	3	1.40	2434.90	26.1
2706	GASUM	870217		900	870224	900	870320	1	0.72	1226.20	30.0
2714	GASUM	870224		900	870303	900	870325	3	4.00	6888.80	15.0
2715	GASUM	870303		900	870310	900	870325	2	0.80	1356.20	14.4
2751	GASUM	870317		915	870324	1000	870331	3	1.50	2541.00	27.6
2848	GASUM	870324		1000	870331	900	870505	4	1.12	1962.90	20.8
2849	GASUM	870331	1.00	900	870407	900	870505	1	0.33	596.80	15.7
2850	GASUM	870407		900	870416	1515	870505	2	0.34	676.40	28.1

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2529	GASUM	870106	4.13	3		1.07	1.02	240.0	4.18	75.9	33.7
2530	GASUM	870113	4.35			0.92	1.16	550.0	4.35	51.0	16.6
2702	GASUM	870120	4.45		21	1.10	1.15	550.0	4.55	33.8	11.7
2703	GASUM	870127	4.33			0.98	1.24	540.0	4.57	31.4	10.6
2704	GASUM	870204	4.40			1.07	1.16	290.0	4.50	35.3	14.6
2705	GASUM	870210	4.23			1.00	1.10	550.0	4.28	56.9	25.4
2706	GASUM	870217	4.16	3		1.02	1.08	550.0	4.22	65.4	26.5
2714	GASUM	870224	4.61			1.12	1.10	520.0	4.51	36.9	14.0
2715	GASUM	870303	4.69			1.14	1.13	560.0	4.59	32.4	10.7
2751	GASUM	870317	4.27	3		1.05	1.05	550.0	4.29	58.8	27.3
2848	GASUM	870324	4.33	3		1.03	1.04	550.0	4.39	47.4	20.7
2849	GASUM	870331	4.58	3		1.07	1.06	440.0	4.50	38.4	13.7
2850	GASUM	870407	4.20	3	99	9999.00	9999.00	425.0	4.41		

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2529	GASUM	870106	0.019 1.023	0.304 8.585	0.021 0.455	0.038 0.396	-0.007 -0.093	2.006 32.299	3.386 35.218	0.437 24.223	0.146 6.343
2530	GASUM	870113	0.011 0.570	0.107 3.028	-0.011 -0.249	-0.029 -0.308	0.161 2.017	0.476 7.668	1.609 16.730	0.084 4.662	0.033 1.427
2702	GASUM	870120	0.009 0.448	0.209 5.907	-0.001 -0.030	0.062 0.650	-0.007 -0.085	0.601 9.683	1.145 11.907	0.061 3.398	0.092 3.998
2703	GASUM	870127	0.007 0.361	0.188 5.292	-0.001 -0.029	-0.054 -0.563	-0.007 -0.087	0.307 4.937	1.374 14.287	0.086 4.756	0.117 5.092
2704	GASUM	870204	0.014 0.744	0.425 11.979	-0.001 -0.026	0.074 0.775	-0.007 -0.091	0.693 11.152	1.601 16.651	0.057 3.138	0.224 9.736
2705	GASUM	870210	0.014 0.721	0.151 4.257	-0.001 -0.025	-0.052 -0.550	-0.007 -0.092	1.837 29.569	2.724 28.325	0.513 28.404	0.092 4.018
2706	GASUM	870217	0.019 0.984	0.150 4.221	-0.001 -0.023	-0.052 -0.545	-0.008 -0.094	1.181 19.013	2.875 29.895	0.203 11.263	0.027 1.163
2714	GASUM	870224	0.003 0.147	0.194 5.465	-0.001 -0.017	0.075 0.792	-0.011 -0.135	0.563 9.060	1.606 16.698	0.116 6.448	0.100 4.348
2715	GASUM	870303	0.006 0.309	0.117 3.286	-0.001 -0.018	0.069 0.727	-0.011 -0.137	0.754 12.142	0.931 9.684	0.063 3.494	0.046 2.018
2751	GASUM	870317	0.020 1.029	0.365 10.292	-0.008 -0.181	0.069 0.723	-0.009 -0.108	1.448 23.309	3.241 33.702	0.306 16.971	0.184 8.014
2848	GASUM	870324	0.011 0.580	0.373 10.527	-0.007 -0.158	-0.059 -0.621	-0.013 -0.169	0.971 15.631	2.155 22.411	0.238 13.198	0.214 9.318
2849	GASUM	870331	0.013 0.667	0.045 1.267	-0.007 -0.158	-0.059 -0.622	-0.014 -0.173	1.229 19.784	0.951 9.891	0.089 4.943	0.015 0.665
2850	GASUM	870407									

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2529	GASUM	870106	0.067	0.130	0.028
			1.718	3.236	1.138
2530	GASUM	870113	0.008	-0.022	0.006
			0.197	-0.560	0.261
2702	GASUM	870120	0.010	0.032	0.012
			0.265	0.788	0.478
2703	GASUM	870127	0.012	0.035	0.015
			0.318	0.802	0.623
2704	GASUM	870204	0.013	0.159	0.040
			0.339	3.957	1.637
2705	GASUM	870210	0.028	0.094	0.017
			0.726	2.344	0.684
2706	GASUM	870217	0.016	0.174	0.012
			0.412	4.344	0.478
2714	GASUM	870224	0.020	0.042	0.013
			0.520	1.056	0.538
2715	GASUM	870303	0.005	0.024	0.006
			0.131	0.604	0.263
2751	GASUM	870317	0.043	0.400	0.035
			1.088	9.976	1.455
2848	GASUM	870324	0.027	0.068	0.030
			0.699	1.705	1.251
2849	GASUM	870331	0.007	0.029	0.003
			0.170	0.715	0.132
2850	GASUM	870407			

ID	STN	BD	TYPE	BT	ED YRMODY	ET	OR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2874	GASUM	870421		900	870428	900	870513	1	0.140	178.600	49.300
2875	GASUM	870428		900	870505	930	870513	3	0.590	1093.200	37.800
3007	GASUM	870512		1000	870519	900	870630	1	0.100	243.000	40.100
3008	GASUM	870519		900	870526	900	870630	2	2.430	4149.100	68.700
3009	GASUM	870526		900	870603	930	870630	2	0.200	391.700	39.700
3010	GASUM	870609		815	870616	800	870630	4	1.720	2995.500	21.100
3011	GASUM	870616		800	870623	900	870630	5	1.600	2949.000	28.000
3064	GASUM	870623		900	870630	900	870716	2	0.270	525.300	22.100
3066	GASUM	870630		900	870707	900	870717	4	1.150	2096.300	18.000
3130	GASUM	870728		900	870804	930	870817	2	0.080	172.400	89.900
3131	GASUM	870804		930	870811	1100	870817	3	2.600	4440.000	42.000
3152	GASUM	870811		1000	870818	900	870825	4	0.580	995.400	43.600
3241	GASUM	870818		900	870824	900	870926	1	0.260	474.600	21.300
3242	GASUM	870901		845	870908	900	870926	3	1.060	1818.900	25.800
3243	GASUM	870915		900	870922	1000	870926	1	0.280	531.600	14.900
3254	GASUM	870908		900	870915	900	870928	5	1.080	3475.300	25.400
3302	GASUM	870929		900	871013	900	871030	1	0.310	561.800	31.900

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3313	GASUM	871020		630	871027	900	871104	3	0.630	1048.200	55.300
3338	GASUM	871103		830	871110	900	871117	2	0.750	1303.000	26.400
3358	GASUM	871110		900	871117	900	871125	1	1.180	2090.700	13.600
3391	GASUM	871124		945	871201	900	871209	2	0.360	631.200	33.000
3412	GASUM	871208		930	871215	1015	871217	3	1.450	2598.900	33.000
3434	GASUM	871215		1015	871222	900	880105	2	0.550	1022.300	23.000
3480	GASUM	871222		900	871229	900	880112	5	2.000	3328.400	32.200
3481	GASUM	871229		900	880105	900	880112	3	0.960	1604.000	22.000

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2874	GASUM	870421	4.100	23.000		1.028	1.007	130.000	4.420	46.600	39.125
2875	GASUM	870428	4.110	3.000	33.000	1.004	0.997	550.000	4.310	58.700	36.983
3007	GASUM	870512	4.010	3.000		1.062	1.036	150.000	4.060	98.100	40.101
3008	GASUM	870519	3.760			1.058	0.992	550.000	3.830	158.800	68.568
3009	GASUM	870526	3.970	3.000		1.070	0.993	150.000	3.990	116.800	53.441
3010	GASUM	870609	4.240	3.000		1.062	1.028	550.000	4.320	54.900	22.448
3011	GASUM	870616	4.280	3.000		1.065	1.048	550.000	4.270	61.000	24.123
3064	GASUM	870623	4.320	3.000		0.979	1.142	350.000	4.470	42.000	17.605
3066	GASUM	870630	4.480	31.000		1.086	1.163	525.000	4.550	35.400	12.368
3130	GASUM	870728	3.740			1.101	0.974	100.000	3.740	199.600	92.676
3131	GASUM	870804	3.880	3.000		1.008	1.057	525.000	4.090	92.700	40.834
3152	GASUM	870811	4.070	3.000		1.113	1.022	500.000	4.120	89.300	39.674
3241	GASUM	870818	4.420			1.092	1.038	375.000	4.420	44.700	17.976
3242	GASUM	870901	4.310	3.000		1.098	1.060	550.000	4.370	52.000	19.019
3243	GASUM	870915	4.660			1.060	1.087	400.000	4.690	27.800	8.961
3254	GASUM	870908	4.330			1.086	1.045	550.000	4.360	48.700	20.860
3302	GASUM	870929	4.150	13.000		1.052	1.033	350.000	4.190	73.800	30.243

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3313	GASUM	871020	3.960	3.000		1.041	0.971	550.000	3.940	129.300	56.929
3338	GASUM	871103	4.450	3.000	33.000	1.003	1.050	525.000	4.630	29.200	20.286
3358	GASUM	871110	4.810	3.000		1.036	1.251	500.000	4.890	17.300	5.434
3391	GASUM	871124	4.150			1.069	1.012	475.000	4.180	76.400	30.495
3412	GASUM	871208	4.150			1.011	1.084	550.000	4.200	67.500	29.037
3434	GASUM	871215	4.490	3.000		1.036	1.105	400.000	4.510	36.500	15.128
3480	GASUM	871222	4.190			1.023	1.128	550.000	4.240	61.300	23.918
3481	GASUM	871229	4.290	3.000		1.007	1.150	525.000	4.420	42.400	15.910

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2874	GASUM	870421	0.034	0.188	-0.019	0.056	-0.059	4.233	6.064	1.616	0.056
			1.792	5.289	-0.422	0.591	-0.734	68.151	63.065	89.536	2.447
2875	GASUM	870428	0.022	0.325	-0.020	0.070	-0.060	2.640	5.014	1.536	0.123
			1.159	9.176	-0.432	0.732	-0.754	42.511	52.148	85.098	5.351
3007	GASUM	870512	0.034	0.218	-0.003	-0.017	-0.019	2.504	3.644	0.310	0.098
			1.772	6.136	-0.075	-0.183	-0.244	40.307	37.900	17.152	4.246
3008	GASUM	870519	0.032	0.179	-0.004	-0.017	-0.019	2.731	6.672	0.460	0.056
			1.684	5.035	-0.076	-0.179	-0.237	43.975	69.387	25.467	2.417
3009	GASUM	870526	0.039	0.293	-0.004	0.037	-0.018	2.934	5.615	0.804	0.199
			2.029	8.270	-0.078	0.385	-0.230	47.236	58.398	44.528	8.678
3010	GASUM	870609	0.015	0.071	-0.004	-0.016	-0.018	1.180	2.279	0.224	0.023
			0.802	2.010	-0.079	-0.172	-0.223	18.993	23.698	12.420	1.007
3011	GASUM	870616	0.022	0.113	-0.004	0.057	-0.017	1.083	2.403	0.192	0.052
			1.164	3.188	-0.081	0.600	-0.216	17.443	24.992	10.635	2.241
3064	GASUM	870623	0.029	0.138	-0.008	-0.062	-0.010	1.581	2.045	0.521	0.090
			1.537	3.899	-0.174	-0.649	-0.126	25.459	21.267	28.858	3.909
3066	GASUM	870630	0.008	0.075	-0.008	0.103	-0.011	0.856	1.342	0.138	0.052
			0.440	2.128	-0.179	1.082	-0.139	13.782	13.957	7.624	2.273
3130	GASUM	870728	0.064	0.291	-0.011	-0.078	-0.016	5.158	9.310	0.683	0.042
			3.369	8.206	-0.230	-0.815	-0.204	83.043	96.828	37.846	1.812
3131	GASUM	870804	0.035	0.130	-0.010	-0.078	-0.016	2.146	4.859	0.886	0.023
			1.839	3.653	-0.228	-0.818	-0.200	34.556	50.533	49.110	1.002
3152	GASUM	870811	0.038	0.302	-0.002	-0.080	-0.005	2.839	4.163	0.477	0.157
			2.023	8.518	-0.051	-0.838	-0.059	45.702	43.296	26.423	6.811
3241	GASUM	870818	0.012	0.137	-0.001	-0.045	-0.012	0.984	1.857	0.095	0.101
			0.638	3.860	-0.032	-0.474	-0.145	15.839	19.311	5.268	4.400
3242	GASUM	870901	0.012	0.092	-0.002	-0.046	-0.012	0.954	1.966	0.182	0.023
			0.631	2.588	-0.033	-0.483	-0.154	15.360	20.447	10.085	1.005
3243	GASUM	870915	0.007	0.028	-0.002	-0.046	-0.013	0.619	0.855	0.094	0.011
			0.369	0.786	-0.034	-0.488	-0.159	9.960	8.895	5.191	0.480
3254	GASUM	870908	0.013	0.072	-0.002	-0.074	-0.009	1.157	2.281	0.322	0.016
			0.670	2.037	-0.048	-0.781	-0.106	18.625	23.718	17.830	0.711
3302	GASUM	870929	0.018	0.269	-0.002	-0.025	-0.035	1.187	3.216	0.200	0.146
			0.968	7.599	-0.043	-0.261	-0.438	19.108	33.445	11.089	6.341

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
3313	GASUM	871020	0.048	0.302	-0.002	-0.035	-0.029	3.172	4.949	0.516	0.118
			2.513	8.509	-0.042	-0.365	-0.365	51.076	51.466	28.605	5.152
3338	GASUM	871103	0.024	1.493	-0.002	0.237	-0.015	1.020	1.943	0.383	0.867
			1.250	42.091	-0.053	2.485	-0.188	16.423	20.210	21.216	37.720
3358	GASUM	871110	-0.002	0.223	-0.013	-0.077	-0.009	0.231	0.634	0.045	0.119
			-0.120	6.297	-0.293	-0.813	-0.117	3.718	6.589	2.506	5.179
3391	GASUM	871124	0.027	0.554	-0.005	0.014	0.358	0.892	2.687	0.148	0.189
			1.434	15.614	-0.116	0.149	4.487	14.356	27.942	8.194	8.204
3412	GASUM	871208	-0.001	0.527	0.028	-0.005	0.072	1.198	3.002	0.312	0.224
			-0.035	14.866	0.615	-0.047	0.905	19.296	31.219	17.284	9.729
3434	GASUM	871215	-0.009	0.553	-0.001	0.010	-0.006	0.760	1.470	0.129	0.302
			-0.495	15.600	-0.028	0.103	-0.074	12.230	15.286	7.119	13.150
3480	GASUM	871222	0.011	0.411	-0.003	0.016	0.068	0.710	2.531	0.134	0.177
			0.598	11.601	-0.071	0.168	0.847	11.429	26.323	7.407	7.703
3481	GASUM	871229	0.011	0.329	-0.003	-0.015	0.143	0.657	1.579	0.145	0.160
			0.555	9.284	-0.068	-0.162	1.791	10.582	16.423	8.044	6.968

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2874	GASUM	870421	0.244	1.081	0.094
			6.238	26.978	3.870
2875	GASUM	870428	0.166	0.227	0.051
			4.252	5.655	2.087
3007	GASUM	870512	0.027	0.126	0.026
			0.684	3.156	1.057
3008	GASUM	870519	0.019	0.065	0.013
			0.485	1.613	0.515
3009	GASUM	870526	0.045	0.113	0.033
			1.145	2.817	1.361
3010	GASUM	870609	0.010	0.067	0.009
			0.250	1.673	0.377
3011	GASUM	870616	0.015	0.037	0.010
			0.376	0.927	0.411
3064	GASUM	870623	0.025	0.127	0.020
			0.648	3.177	0.826
3066	GASUM	870630	0.025	0.093	0.008
			0.648	2.311	0.330
3130	GASUM	870728	0.027	0.745	0.050
			0.689	18.596	2.043
3131	GASUM	870804	0.008	0.164	0.012
			0.209	4.104	0.478
3152	GASUM	870811	0.041	0.303	0.047
			1.040	7.556	1.923
3241	GASUM	870818	0.012	0.096	0.019
			0.307	2.397	0.799
3242	GASUM	870901	-0.002	0.017	-0.002
			-0.044	0.421	-0.098
3243	GASUM	870915	-0.002	0.028	-0.002
			-0.044	0.687	-0.099
3254	GASUM	870908	0.017	0.018	0.003
			0.445	0.440	0.130
3302	GASUM	870929	0.020	0.120	0.024
			0.513	3.001	0.992

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3313	GASUM	871020	0.050	0.158	0.023
			1.272	3.934	0.965
3338	GASUM	871103	0.357	0.077	0.148
			9.129	1.913	6.107
3358	GASUM	871110	0.014	0.003	0.018
			0.347	0.076	0.728
3391	GASUM	871124	0.013	0.039	0.026
			0.334	0.985	1.075
3412	GASUM	871208	0.040	0.079	0.031
			1.017	1.970	1.295
3434	GASUM	871215	0.034	0.037	0.037
			0.869	0.924	1.543
3480	GASUM	871222	0.015	0.032	0.023
			0.384	0.787	0.934
3481	GASUM	871229	0.015	0.002	0.019
			0.384	0.041	0.781

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

27-MAY-88
PAGE 1-9

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2569	GAWAY	870106		830	870113	845	870129	1	0.52	876.00	5.4
2599	GAWAY	870120		1000	870127	900	870213	3	2.03	3552.00	12.1
2651	GAWAY	870217		1500	870224	1100	870303	3	1.97	3367.00	7.2
2667	GAWAY	870210		1100	870217	1000	870305	1	2.32	4036.00	12.9
2694	GAWAY	870224		1100	870303	930	870319	4	0.92	1270.00	22.2
2740	GAWAY	870303		930	870310	1430	870331	2	0.64	1021.00	20.5
2741	GAWAY	870310		1430	870317	1330	870331	1	0.10	85.00	
2761	GAWAY	870317		1330	870324	915	870407	1	0.55	912.00	22.2
2788	GAWAY	870324		915	870401	1030	870414	5	2.26	3848.00	7.8
2803	GAWAY	870401		1030	870408	900	870420	1	0.24	387.00	11.2
2836	GAWAY	870415		945	870421	845	870430	2	0.05	61.00	

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ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2549	GAWAY	870106	5.08	3	213299	9999.00	9999.00	200.0	5.11		
2599	GAWAY	870120	4.66			1.04	1.11	440.0	4.68	26.7	11.0
2651	GAWAY	870217	4.96	34	3199	9999.00	9999.00	525.0	5.14		
2667	GAWAY	870210	4.64			1.06	1.12	500.0	4.65	29.5	11.6
2694	GAWAY	870224	4.44	3		1.01	1.09	500.0	4.44	41.8	20.1
2740	GAWAY	870303	4.90	3		0.99	1.07	525.0	4.91	18.5	19.6
2741	GAWAY	870310		3		1.09	1.01	85.0	4.07		41.8
2761	GAWAY	870317	4.58	1		1.02	1.08	500.0	4.49	38.7	19.7
2788	GAWAY	870324	4.55			1.01	1.09	500.0	4.98	16.1	6.4
2803	GAWAY	870401	4.69	3		1.09	1.13	300.0	4.68	27.0	9.5
2836	GAWAY	870415		3	32	1.07	0.93	50.0	3.90		78.2

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2549	GAWAY	870106									
2599	GAWAY	870120	-0.003 -0.181	0.541 15.254	-0.042 -0.920	0.028 0.292	-0.040 -0.502	0.537 8.640	1.066 11.088	0.089 4.946	0.302 13.130
2651	GAWAY	870217									
2667	GAWAY	870210	0.010 0.549	0.263 7.429	-0.011 -0.250	-0.052 -0.551	-0.024 -0.298	0.664 10.688	1.416 14.725	0.215 11.933	0.124 5.406
2694	GAWAY	870224	0.006 0.341	0.950 26.782	-0.002 -0.045	-0.059 -0.616	-0.005 -0.067	0.840 13.518	2.171 22.577	0.182 10.083	0.553 24.060
2740	GAWAY	870303	0.006 0.330	3.894 109.798	-0.005 -0.109	-0.054 -0.569	-0.013 -0.160	0.364 5.859	0.901 9.372	0.037 2.059	2.149 93.466
2741	GAWAY	870310	0.014 0.730	0.332 9.371	-0.005 -0.114	0.068 0.711	-0.013 -0.157	2.656 42.769	3.760 39.104	0.348 19.263	0.231 10.037
2761	GAWAY	870317	0.005 0.283	1.118 31.516	-0.013 -0.274	0.054 0.568	-0.022 -0.270	0.969 15.608	1.940 20.178	0.177 9.779	0.706 30.730
2788	GAWAY	870324	-0.001 -0.051	0.219 6.185	-0.023 -0.490	-0.057 -0.601	-0.035 -0.437	0.511 8.220	0.707 7.353	0.160 8.838	0.139 6.034
2803	GAWAY	870401	-0.004 -0.220	0.199 5.600	-0.022 -0.469	0.067 0.700	-0.008 -0.105	0.431 6.939	1.026 10.675	0.060 3.311	0.111 4.818
2836	GAWAY	870415	0.042 2.237	0.467 13.175	-0.007 -0.161	-0.058 -0.612	-0.009 -0.112	4.177 67.249	9.027 93.885	1.423 78.861	0.278 12.101

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2549	GAWAY	870106			
2599	GAWAY	870120	0.030 0.775	0.046 1.137	0.039 1.606
2651	GAWAY	870217			
2667	GAWAY	870210	0.027 0.697	0.073 1.809	0.019 0.776
2694	GAWAY	870224	0.044 1.115	0.147 3.663	0.073 3.010
2740	GAWAY	870303	0.088 2.264	0.093 2.310	0.260 10.688
2741	GAWAY	870310	0.017 0.447	0.108 2.692	0.032 1.316
2761	GAWAY	870317	0.062 1.587	0.136 3.381	0.086 3.520
2788	GAWAY	870324	0.028 0.712	0.031 0.773	0.018 0.726
2803	GAWAY	870401	0.013 0.342	0.049 1.225	0.016 0.639
2836	GAWAY	870415	0.168 4.295	0.528 13.163	0.091 3.751

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ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2890	GAWAY	870505		930	870512	1300	870520	5	0.390	429.000	14.900
2935	GAWAY	870512		1300	870519	900	870609	3	1.540	2690.000	15.600
2936	GAWAY	870519	0.42	900	870527	1100	870609	2	2.510	4530.000	24.900
2979	GAWAY	870602	0.47	1100	870609	900	870624	2	1.440	2445.000	16.900
2998	GAWAY	870609	0.42	900	870617	800	870629	3	1.370	2259.000	12.200
2999	GAWAY	870617	0.53	800	870623	1000	870629	4	1.790	3192.000	9.900
3056	GAWAY	870623	0.36	1000	870630	930	870714	2	0.830	1435.000	4.000
3057	GAWAY	870630	0.46	930	870707	930	870714	6	2.850	5147.000	11.600
3082	GAWAY	870707	0.46	930	870715	1215	870724	4	0.040	62.000	
3112	GAWAY	870721	0.36	1400	870728	1000	870811	2	0.560	917.000	46.900
3113	GAWAY	870728	0.47	1000	870805	945	870811	3	1.220	2034.000	24.500
3144	GAWAY	870805	0.46	945	870811	1345	870821	2	0.660	1008.000	20.200
3219	GAWAY	870811	0.58	1345	870818	815	870921	6	1.950	3283.000	11.400
3220	GAWAY	870818	0.40	815	870825	900	870921	5	0.940	1436.000	19.800
3221	GAWAY	870825		900	870901	1015	870921	5	0.950	1672.000	18.700
3222	GAWAY	870901		1015	870908	945	870921	6	1.400	2417.000	19.500
3322	GAWAY	870908		945	870915	1000	871110	3	1.670	2924.000	14.900

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3339	GAWAY	871103		1000	871110	830	871117	2	0.730	1250.000	4.200
3385	GAWAY	871117		830	871124	900	871207	1	1.700	2916.000	6.400
3386	GAWAY	871124		900	871201	900	871207			32.000	
3435	GAWAY	871208		815	871215	900	880105			37.000	
3436	GAWAY	871215		900	871222	1000	880105	2	0.850	1514.000	13.600
3463	GAWAY	871222		1000	871229	830	880107	1	0.150	277.000	9.800
3482	GAWAY	871229		830	880105	900	880111	2	0.550	810.000	15.600

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2890	GAWAY	870505	4.400	3.000	3234.000	1.035	1.044	375.000	4.560	34.500	13.565
2935	GAWAY	870512	3.930	3.000	34.000	1.044	1.070	500.000	4.640	29.100	13.949
2936	GAWAY	870519	4.310		34.000	1.082	1.061	520.000	4.290	57.800	22.375
2979	GAWAY	870602	3.900	3.000	34.000	0.973	0.991	550.000	4.580	34.700	15.646
2998	GAWAY	870609	4.440	3.000		1.082	1.081	525.000	4.690	24.500	10.888
2999	GAWAY	870617	4.740			1.016	1.099	525.000	4.750	23.600	8.585
3056	GAWAY	870623	5.140			0.932	1.350	440.000	5.130	12.000	2.635
3057	GAWAY	870630	4.730	3.000	34.000	1.025	1.101	300.000	4.650	27.500	9.990
3082	GAWAY	870707		3.000	3234.000	1.052	1.004	60.000	4.120	91.100	43.780
3112	GAWAY	870721	4.040	3.000	34.000	1.012	1.016	350.000	4.070	95.700	42.643
3113	GAWAY	870728	4.250	3.000	34.000	1.003	1.098	475.000	4.300	56.000	20.886
3144	GAWAY	870805	4.280			1.033	1.060	375.000	4.380	47.500	18.920
3219	GAWAY	870811	4.760			1.061	1.087	450.000	4.680	27.100	10.140
3220	GAWAY	870818	4.530			1.050	1.094	450.000	4.390	46.200	17.289
3221	GAWAY	870825	4.280	3.000		1.067	1.057	455.000	4.410	45.400	17.637
3222	GAWAY	870901	4.470			1.045	1.104	500.000	4.580	31.400	12.560
3322	GAWAY	870908	4.460			0.991	1.144	530.000	4.470	39.400	13.442

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN ueqiv/l	COND umho/cm
3339	GAWAY	871103	5.240		33.000	0.930	1.370	525.000	5.240	11.100	3.233
3385	GAWAY	871117	5.010			0.964	1.276	470.000	5.060	15.000	4.573
3386	GAWAY	871124		3.000	30.000	0.977	1.047		4.780		27.202
3435	GAWAY	871208				1.036	1.022	40.000	4.030		55.826
3436	GAWAY	871215	4.600			0.990	1.190	525.000	4.670	23.300	10.538
3463	GAWAY	871222	4.710	3.000		0.961	1.193	250.000	4.850	17.400	8.270
3482	GAWAY	871229	4.570	3.000		0.988	1.167	450.000	4.570	30.700	12.891

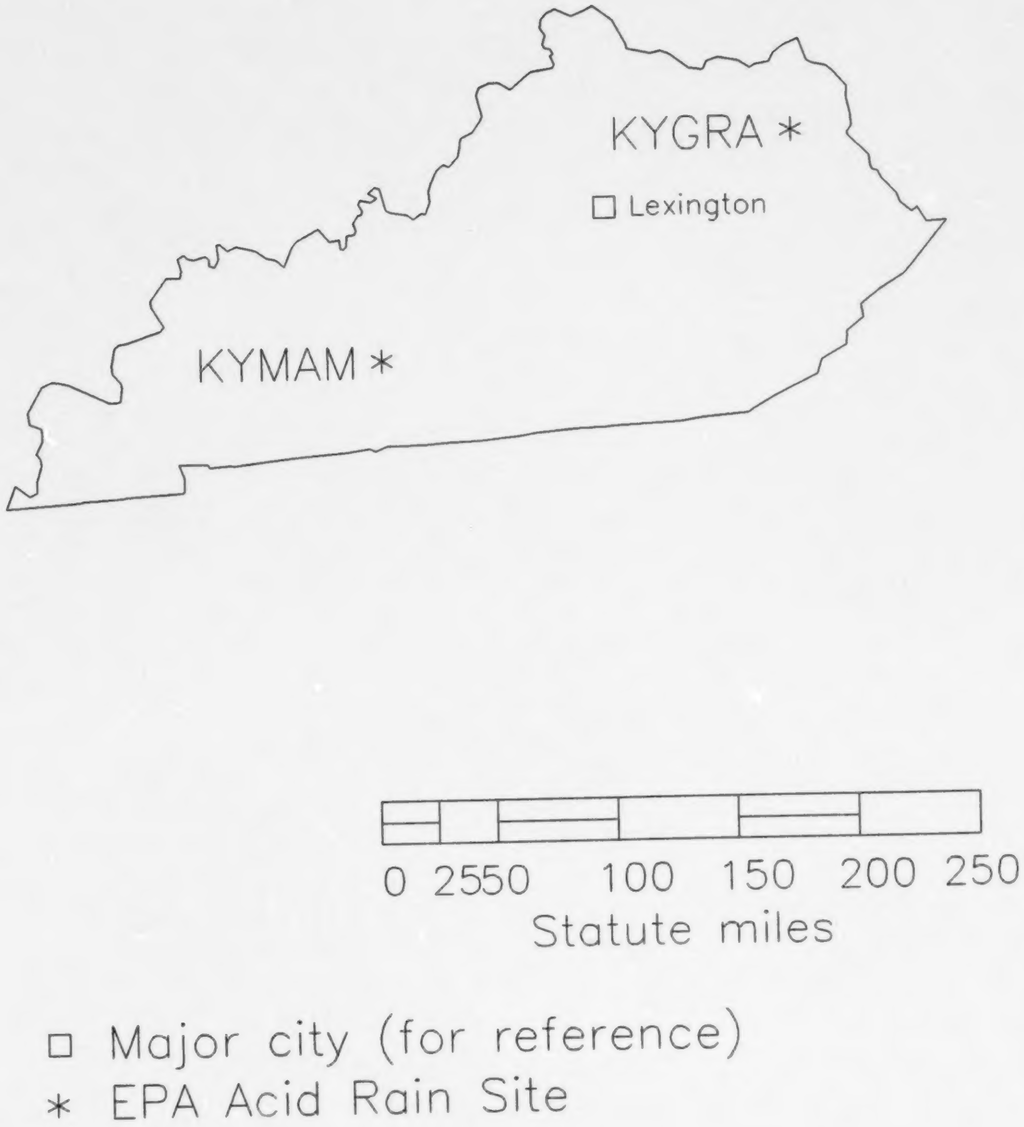
ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2890	GAWAY	870505	0.008	0.397	-0.006	-0.078	-0.008	1.266	0.755	0.051	0.215
			0.429	11.185	-0.135	-0.818	-0.103	20.380	7.856	2.803	9.338
2935	GAWAY	870512	0.010	0.656	-0.006	0.063	-0.005	1.035	1.200	0.248	0.369
			0.547	18.502	-0.135	0.665	-0.066	16.669	12.485	13.725	16.045
2936	GAWAY	870519	0.018	0.213	-0.006	0.068	-0.005	1.012	2.072	0.097	0.111
			0.961	6.012	-0.137	0.714	-0.065	16.293	21.548	5.348	4.813
2979	GAWAY	870602	0.018	0.221	-0.006	-0.065	-0.014	1.219	1.422	0.361	0.132
			0.944	6.235	-0.125	-0.680	-0.178	19.621	14.784	19.988	5.722
2998	GAWAY	870609	0.017	0.313	-0.003	0.045	-0.026	0.801	1.042	0.054	0.200
			0.889	8.830	-0.058	0.473	-0.327	12.903	10.837	2.976	8.693
2999	GAWAY	870617	0.015	0.221	-0.003	-0.021	-0.026	0.701	0.677	0.083	0.141
			0.763	6.233	-0.059	-0.220	-0.320	11.283	7.039	4.621	6.113
3056	GAWAY	870623	0.005	0.086	-0.006	-0.062	-0.006	0.227	0.194	0.020	0.051
			0.255	2.414	-0.120	-0.649	-0.076	3.648	2.017	1.117	2.206
3057	GAWAY	870630	0.010	0.188	-0.006	-0.062	-0.006	0.835	0.730	0.051	0.113
			0.518	5.288	-0.123	-0.653	-0.077	13.438	7.587	2.820	4.910
3082	GAWAY	870707	0.066	0.426	-0.011	-0.068	0.055	4.196	3.967	0.560	0.260
			3.484	12.009	-0.250	-0.713	0.688	67.561	41.252	31.017	11.293
3112	GAWAY	870721	0.027	0.465	-0.001	-0.081	-0.008	2.255	4.114	0.652	0.110
			1.427	13.104	-0.025	-0.848	-0.102	36.311	42.786	36.130	4.774
3113	GAWAY	870728	0.018	0.077	-0.001	-0.081	-0.008	1.115	1.981	0.168	0.029
			0.958	2.179	-0.024	-0.847	-0.103	17.953	20.600	9.306	1.269
3144	GAWAY	870805	-0.005	0.094	-0.004	-0.071	-0.004	1.045	1.908	0.207	0.033
			-0.242	2.652	-0.086	-0.746	-0.048	16.830	19.845	11.454	1.450
3219	GAWAY	870811	0.005	0.308	-0.001	-0.062	-0.008	0.621	0.917	0.087	0.174
			0.276	8.693	-0.011	-0.647	-0.106	10.002	9.534	4.838	7.555
3220	GAWAY	870818	0.012	0.068	-0.001	-0.061	-0.008	0.882	1.776	0.122	0.031
			0.635	1.918	-0.011	-0.637	-0.104	14.205	18.476	6.747	1.332
3221	GAWAY	870825	0.016	0.170	-0.001	-0.060	-0.008	1.201	1.515	0.135	0.096
			0.826	4.798	-0.011	-0.627	-0.102	19.329	15.755	7.484	4.192
3222	GAWAY	870901	0.003	0.493	-0.001	-0.059	-0.008	0.932	0.911	0.083	0.270
			0.168	13.915	-0.011	-0.617	-0.101	15.012	9.472	4.623	11.743
3322	GAWAY	870908	0.008	0.079	-0.005	-0.012	-0.026	0.720	1.287	0.103	0.036
			0.423	2.219	-0.118	-0.129	-0.322	11.584	13.383	5.691	1.577

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
3339	GAWAY	871103	0.006	0.518	-0.002	-0.067	-0.015	0.111	0.191	-0.007	0.280
			0.304	14.612	-0.053	-0.708	-0.184	1.789	1.989	-0.397	12.184
3385	GAWAY	871117	-0.005	0.526	-0.006	0.013	-0.021	0.172	0.334	0.020	0.293
			-0.288	14.824	-0.120	0.138	-0.262	2.766	3.478	1.128	12.765
3386	GAWAY	871124	0.032	5.043	-0.005	-0.007	0.064	0.468	1.441	0.028	2.892
			1.659	142.205	-0.119	-0.070	0.804	7.542	14.982	1.565	125.794
3435	GAWAY	871208	0.045	3.358	-0.001	-0.004	-0.006	3.187	4.100	0.056	2.095
			2.370	94.682	-0.027	-0.039	-0.071	51.310	42.640	3.089	91.142
3436	GAWAY	871215	-0.011	0.561	-0.001	0.011	-0.005	0.513	1.087	0.123	0.314
			-0.571	15.823	-0.026	0.119	-0.066	8.266	11.306	6.839	13.644
3463	GAWAY	871222	0.010	0.682	-0.006	0.014	-0.014	0.380	0.786	0.107	0.391
			0.530	19.231	-0.129	0.142	-0.176	6.117	8.174	5.913	17.022
3482	GAWAY	871229	-0.001	0.680	-0.003	-0.016	-0.007	0.837	1.041	0.093	0.367
			-0.064	19.183	-0.064	-0.164	-0.082	13.482	10.825	5.177	15.946

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2890	GAWAY	870505	0.028	0.070	0.030
			0.706	1.743	1.241
2935	GAWAY	870512	0.046	0.051	0.047
			1.181	1.273	1.919
2936	GAWAY	870519	0.013	0.019	0.013
			0.333	0.477	0.553
2979	GAWAY	870602	0.052	0.068	0.018
			1.323	1.702	0.729
2998	GAWAY	870609	0.014	0.140	0.037
			0.356	3.486	1.526
2999	GAWAY	870617	0.009	0.034	0.020
			0.229	0.840	0.829
3056	GAWAY	870623	-0.001	-0.038	0.005
			-0.026	-0.951	0.221
3057	GAWAY	870630	0.011	0.041	0.016
			0.289	1.033	0.663
3082	GAWAY	870707	0.168	0.581	0.089
			4.289	14.504	3.650
3112	GAWAY	870721	0.045	0.129	0.025
			1.140	3.221	1.040
3113	GAWAY	870728	-0.002	0.026	0.007
			-0.040	0.655	0.286
3144	GAWAY	870805	-0.002	0.049	0.008
			-0.053	1.213	0.348
3219	GAWAY	870811	0.011	0.018	0.019
			0.290	0.446	0.792
3220	GAWAY	870818	0.002	0.038	0.010
			0.051	0.943	0.403
3221	GAWAY	870825	-0.001	0.034	0.013
			-0.038	0.845	0.521
3222	GAWAY	870901	0.005	0.017	0.031
			0.137	0.436	1.274
3322	GAWAY	870908	0.008	0.001	0.003
			0.213	0.027	0.133

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
3339	GAWAY	871103	0.019	0.016	0.038
			0.481	0.390	1.550
3385	GAWAY	871117	0.011	-0.013	0.037
			0.282	-0.331	1.541
3386	GAWAY	871124	0.147	0.186	0.361
			3.753	4.631	14.855
3435	GAWAY	871208	0.075	0.320	0.255
			1.927	7.981	10.484
3436	GAWAY	871215	0.026	0.038	0.041
			0.665	0.946	1.673
3463	GAWAY	871222	0.024	0.057	0.048
			0.624	1.426	1.981
3482	GAWAY	871229	0.028	0.056	0.045
			0.722	1.394	1.846

Kentucky


KYGRA *
Lexington
KYMAM *
0 2550 100 150 200 250
Statute miles
□ Major city (for reference)
* EPA Acid Rain Site

KENTUCKY

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
KYGRA	Grayson Lake	Grayson	Carter			44	100
KYMAM	Mammoth Cave	Brownsville	Edmonson			41	97.6

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: KYGRA

Data Plots, Jan '87 - Dec '87

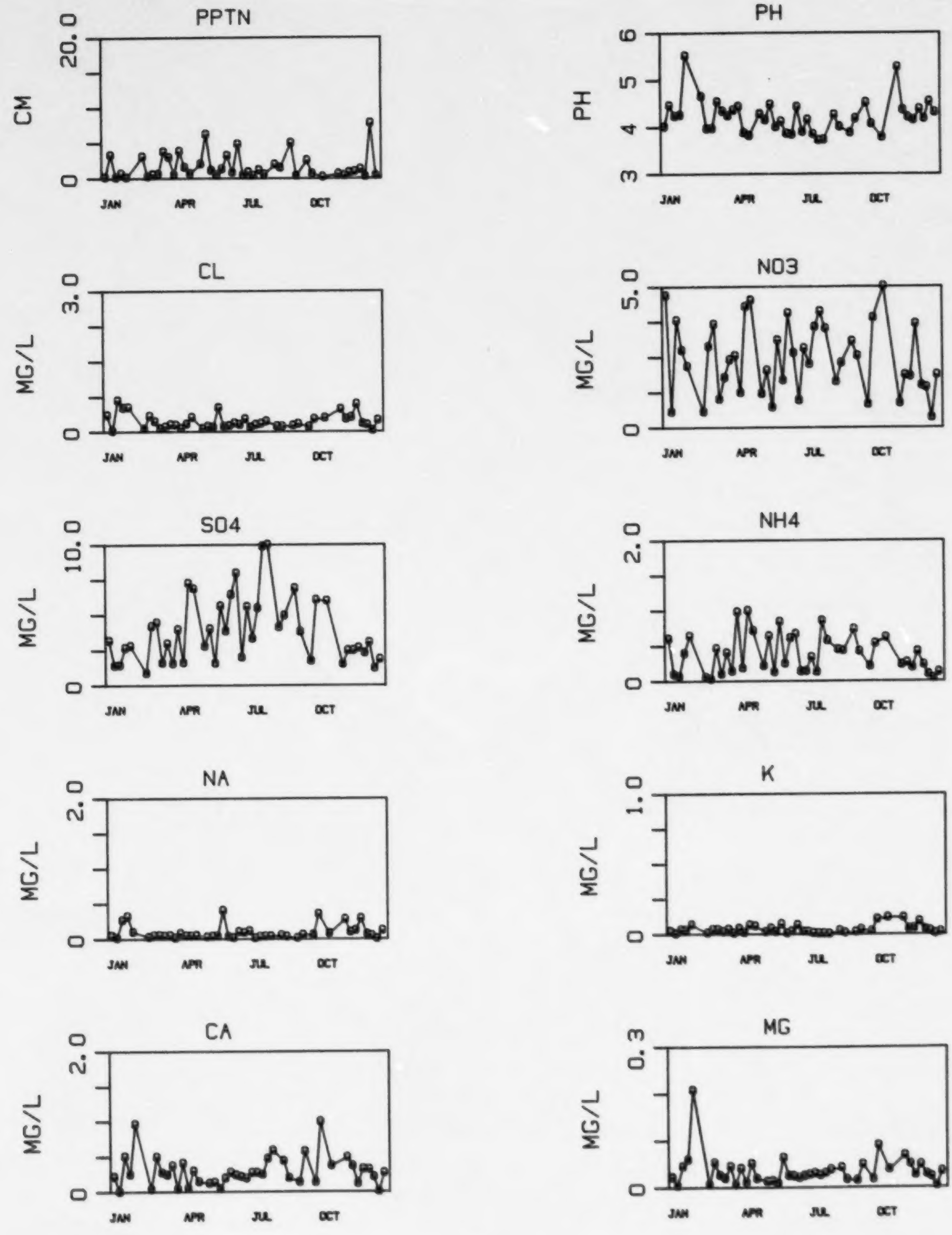
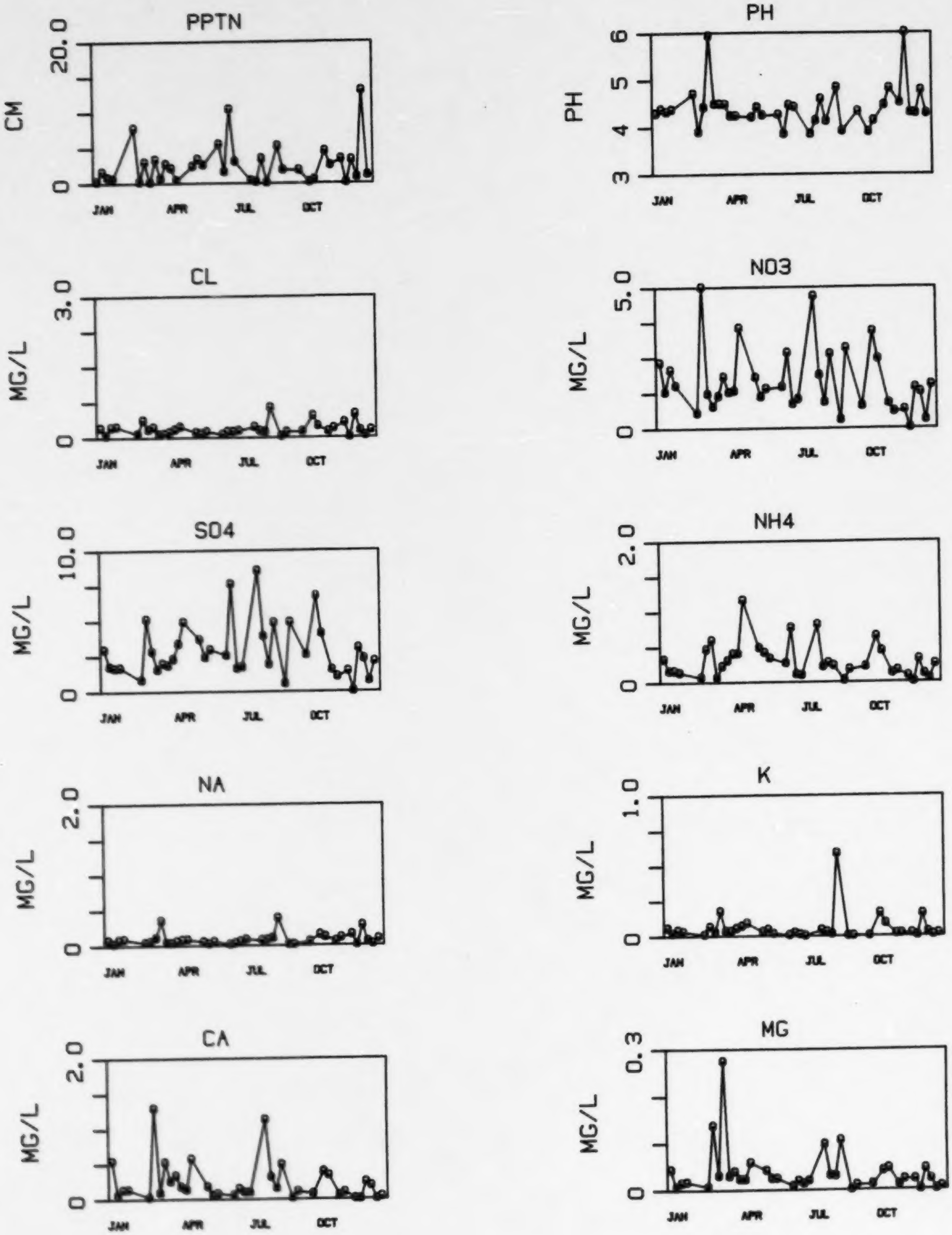


Figure 2-1 (continued)

SITE: KYMAM

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FUT gm	FCOND umho/cm
2535	KYGRA	870113		830	870120	935	870127	2		2263.00	14.1
2569	KYGRA	870106	1.00	900	870113	825	870205	2	0.08	149.00	
2578	KYGRA	870120		935	870127	815	870206			100.00	
2579	KYGRA	870127		825	870203	940	870206	2		458.00	33.1
2625	KYGRA	870203		815	870210	815	870220			77.00	
2679	KYGRA	870224		815	870303	830	870316	3	1.21	2578.00	10.7
2687	KYGRA	870303		900	870310	810	870317	2	0.10	200.00	49.9
2725	KYGRA	870310		815	870317	910	870326			383.00	51.6
2754	KYGRA	870317		915	870324	930	870331	2	0.24	460.00	16.2
2764	KYGRA	870324	2.00	930	870331	810	870407	6	1.48	2934.00	28.7
2800	KYGRA	870331	1.00	820	870407	1037	870416	3		2018.00	28.3
2804	KYGRA	870407		1045	870414	920	870420	1	0.19	352.10	36.5
2837	KYGRA	870414		920	870421	1115	870430	2	1.51	2686.00	19.4

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2535	KYGRA	870113	4.48			1.03	1.15	450.0	4.46	40.5	13.5
2569	KYGRA	870106		3		1.06	0.96	150.0	4.01	108.2	50.6
2578	KYGRA	870120		3		1.09	1.00	90.0	4.23	68.5	31.3
2579	KYGRA	870127	4.22			1.06	1.00	420.0	4.25	65.8	31.4
2625	KYGRA	870203		3		1.01	1.03	77.0	5.51		15.7
2679	KYGRA	870224	4.71			1.01	1.23	550.0	4.65	27.7	8.4
2687	KYGRA	870303	3.97	3		1.03	1.04	160.0	3.96	115.2	48.7
2725	KYGRA	870310	3.98	3		1.07	1.01	290.0	3.96	120.9	52.5
2754	KYGRA	870317	4.50	3		1.10	1.11	450.0	4.53	34.6	14.1
2764	KYGRA	870324	4.33			1.02	1.08	500.0	4.33	51.5	24.5
2800	KYGRA	870331	4.22			1.12	1.05	500.0	4.23	67.5	25.5
2804	KYGRA	870407	4.26	3	33	1.02	1.00	330.0	4.35	56.5	30.8
2837	KYGRA	870414	4.42	3		1.07	1.00	550.0	4.43	46.9	18.1

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2535	KYGRA	870113	0.010	0.017	-0.006	0.037	0.152	0.555	1.385	0.095	0.010
			0.512	0.467	-0.127	0.388	1.899	8.932	14.399	5.249	0.454
2569	KYGRA	870106	0.025	0.351	-0.099	0.032	-0.095	4.690	3.165	0.599	0.043
			1.318	9.910	-2.156	0.332	-1.187	75.513	32.921	33.192	1.853
2578	KYGRA	870120	0.019	0.670	-0.146	0.024	-0.139	3.803	1.430	0.063	0.265
			1.003	18.888	-3.181	0.254	-1.739	61.234	14.871	3.504	11.538
2579	KYGRA	870127	0.025	0.511	-0.151	0.026	-0.143	2.727	2.648	0.392	0.320
			1.299	14.420	-3.274	0.274	-1.789	43.909	27.538	21.721	13.927
2625	KYGRA	870203	0.033	0.525	-0.005	0.043	-0.003	2.166	2.802	0.640	0.098
			1.724	14.801	-0.117	0.451	-0.037	34.874	29.141	35.429	4.262
2679	KYGRA	870224	0.010	0.056	-0.026	-0.153	-0.029	0.551	0.847	0.052	0.022
			0.526	1.580	-0.556	-1.609	-0.366	8.876	8.808	2.866	0.967
2687	KYGRA	870303	0.044	0.333	-0.031	-0.199	0.064	2.869	4.167	0.022	0.043
			2.301	9.389	-0.673	-2.094	0.803	46.185	43.338	1.241	1.849
2725	KYGRA	870310	0.038	0.217	-0.002	0.059	0.171	3.653	4.433	0.459	0.049
			1.999	6.115	-0.036	0.618	2.141	58.008	46.102	25.414	2.122
2754	KYGRA	870317	0.011	0.064	0.027	0.097	-0.008	0.994	1.572	0.095	0.036
			0.576	1.795	0.592	1.017	-0.095	16.011	16.346	5.277	1.570
2764	KYGRA	870324	0.017	0.097	-0.013	0.054	-0.024	1.765	2.958	0.401	0.046
			0.870	2.727	-0.292	0.567	-0.305	28.413	30.766	22.211	1.982
2800	KYGRA	870331	0.011	0.140	-0.035	0.071	-0.023	2.395	1.532	0.139	0.011
			0.567	4.184	-0.758	0.748	-0.285	38.554	15.931	7.686	0.470
2804	KYGRA	870407	0.024	0.135	-0.023	-0.058	-0.009	2.549	3.942	0.975	0.078
			1.283	3.815	-0.506	-0.611	-0.113	41.035	40.996	54.010	3.396
2837	KYGRA	870414	0.011	0.067	-0.007	-0.058	-0.010	1.226	1.597	0.181	0.039
			0.557	1.901	-0.161	-0.613	-0.120	19.739	16.608	10.038	1.705

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2535	KYGRA	870113	0.004 0.108	-0.022 -0.557	0.004 0.155
2569	KYGRA	870106	0.021 0.527	0.209 5.223	0.021 0.882
2578	KYGRA	870120	0.032 0.824	0.499 12.462	0.045 1.858
2579	KYGRA	870127	0.030 0.755	0.243 6.055	0.059 2.433
2675	KYGRA	870203	0.068 1.747	0.960 23.948	0.207 8.536
2679	KYGRA	870224	0.007 0.190	0.033 0.833	0.006 0.235
2687	KYGRA	870303	0.031 0.782	0.491 12.254	0.052 2.151
2725	KYGRA	870310	0.033 0.848	0.265 6.621	0.026 1.050
2754	KYGRA	870317	0.017 0.424	0.235 5.861	0.019 0.780
2764	KYGRA	870324	0.034 0.880	0.368 9.169	0.044 1.830
2800	KYGRA	870331	0.005 0.125	0.037 0.929	0.005 0.224
2804	KYGRA	870407	0.040 1.016	0.402 10.034	0.040 1.659
2837	KYGRA	870414	0.009 0.237	0.045 1.133	0.010 0.417

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FUT gm	FCOND umho/cm
2859	KYGRA	870421		1115	870428	807	870511	2	0.610	1433.000	71.300
2876	KYGRA	870428		810	870505	940	870513			452.000	
2903	KYGRA	870512		930	870519	945	870528			1373.000	30.400
2937	KYGRA	870519		930	870526	930	870609			4237.000	40.800
2938	KYGRA	870526		930	870602	1130	870609			748.000	20.600
2956	KYGRA	870602	0.50	1000	870609	920	870616	1		323.000	58.600
2991	KYGRA	870609	0.50	945	870616	1035	870626	2	0.520	865.000	39.600
3012	KYGRA	870616	0.50	935	870623	1030	870630			2199.000	75.000
3047	KYGRA	870623	0.50	1000	870630	1000	870713	1	0.310	517.000	75.700
3048	KYGRA	870630	0.50	1200	870707	1000	870713	5	1.900	4351.000	20.500
3071	KYGRA	870707	0.50	1000	870714	830	870720	3	0.170	323.000	62.500
3090	KYGRA	870714	0.50	833	870721	1015	870728	2	0.340	594.000	34.800
3102	KYGRA	870721	0.50	1015	870728	915	870804	2	0.140	249.000	64.600
3114	KYGRA	870728	0.50	915	870804	1015	870811	2	0.460	682.000	94.400
3145	KYGRA	870804	0.50	1030	870811	1000	870821	2	0.210	367.000	98.400
3171	KYGRA	870818	0.50	850	870825	910	870902	1	0.770	1896.000	34.700
3189	KYGRA	870825	0.50	915	870901	930	870910	3	0.580	1075.000	48.900

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3206	KYGRA	870901	0.50	935	870908	920	870915	1	0.200	393.000	6.800
3239	KYGRA	870908	0.50	920	870915	1105	870925	4		3392.000	65.700
3255	KYGRA	870915	0.40	1100	870922	815	870928	2	0.130	264.000	39.800
3280	KYGRA	870929	0.40	930	871006	810	871015	1	0.990	1688.000	17.800
3291	KYGRA	871006	0.40	815	871013	915	871021	2	0.250	505.000	54.300
3309	KYGRA	871020	0.40	1015	871027	1005	871103	1	0.070	127.000	
3359	KYGRA	871110	10.40	900	871117	930	871125			407.000	13.200
3380	KYGRA	871117	0.40	930	871124	1015	871202	3	0.140	337.000	27.600
3388	KYGRA	871124	0.40	1020	871201	815	871208	4	0.310	626.000	33.100
3413	KYGRA	871201	0.40	815	871209	955	871217	1		603.000	39.200
3437	KYGRA	871209	0.40	955	871215	947	880105	4	0.500	642.000	22.100
3438	KYGRA	871215	0.50	947	871222	840	880105	1	0.090	353.000	32.300
3460	KYGRA	871222	0.50	840	871229	845	880106	5	3.070	6470.000	10.300
3487	KYGRA	871229	2.50	850	880105	930	880115	2	0.130	507.000	25.800

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2859	KYGRA	870421	3.800	3.000		1.078	0.963	500.000	3.870	152.700	71.986
2876	KYGRA	870428		3.000		1.106	0.937	400.000	3.810	179.800	79.379
2903	KYGRA	870512	4.260	3.000		1.093	1.001	550.000	4.270	65.500	26.040
2937	KYGRA	870519	4.150	3.000		1.042	1.029	550.000	4.140	80.200	36.479
2938	KYGRA	870526	4.420			1.089	1.060	550.000	4.470	38.600	15.309
2956	KYGRA	870602	4.000	3.000		1.011	0.983	300.000	3.990	112.300	55.597
2991	KYGRA	870609	4.130			1.031	1.032	550.000	4.110	84.600	36.128
3012	KYGRA	870616	3.830			1.084	0.952	550.000	3.850	158.900	71.076
3047	KYGRA	870623	3.830	3.000		1.064	0.991	500.000	3.830	164.600	72.090
3048	KYGRA	870630	4.480			1.010	1.063	525.000	4.420	45.000	18.109
3071	KYGRA	870707	3.880	3.000		1.092	1.002	300.000	3.890	146.000	59.190
3090	KYGRA	870714	4.210	3.000		1.031	1.114	525.000	4.150	78.800	31.434
3102	KYGRA	870721	3.840	3.000		1.063	1.036	200.000	3.840	159.500	62.505
3114	KYGRA	870728	3.710			1.043	0.988	550.000	3.710	212.300	95.106
3145	KYGRA	870804	3.700	3.000		1.097	0.967	340.000	3.720	211.400	94.767
3171	KYGRA	870818	4.240	3.000		1.071	1.032	540.000	4.250	67.100	30.797
3189	KYGRA	870825	4.010	3.000		1.062	1.046	550.000	4.000	107.600	45.955

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3206	KYGRA	870901	4.960	13.000	34.000	0.882	1.238	375.000	4.990	14.800	4.276
3239	KYGRA	870908	3.890	3.000		1.077	0.984	550.000	3.870	152.000	66.280
3255	KYGRA	870915	4.180			1.009	0.987	240.000	4.170	79.300	37.213
3280	KYGRA	870929	4.500	3.000		0.981	1.066	525.000	4.510	36.700	15.143
3291	KYGRA	871006	4.050			1.038	0.990	475.000	4.060	98.900	52.182
3309	KYGRA	871020		2.000		1.060	0.968	130.000	3.770	188.100	83.874
3359	KYGRA	871110	4.970	3.000		0.937	0.996	380.000	5.260	12.400	9.884
3380	KYGRA	871117	4.330	3.000		1.050	1.041	300.000	4.350	53.700	23.907
3388	KYGRA	871124	4.180	3.000		1.115	1.036	550.000	4.200	72.400	29.589
3413	KYGRA	871201	4.160			1.026	1.058	550.000	4.140	76.800	36.467
3437	KYGRA	871209	4.380			0.999	1.114	550.000	4.370	45.200	20.407
3438	KYGRA	871215	4.170	3.000	33.000	1.038	1.102	330.000	4.170	70.300	28.594
3460	KYGRA	871222	4.730			1.005	1.324	525.000	4.530	33.000	9.641
3487	KYGRA	871229	4.310	3.000		0.978	1.132	490.000	4.300	54.700	21.872

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2859	KYGRA	870421	0.027	0.157	-0.010	0.060	-0.029	4.277	7.227	0.994	0.036
			1.444	4.425	-0.227	0.630	-0.362	68.867	75.157	55.085	1.565
2876	KYGRA	870428	0.035	0.303	-0.021	0.033	-0.063	4.511	6.833	0.709	0.048
			1.819	8.542	-0.452	0.348	-0.793	72.621	71.067	39.305	2.101
2903	KYGRA	870512	-0.022	0.063	-0.007	0.053	-0.012	1.186	2.758	0.214	0.024
			-1.166	1.771	-0.160	0.555	-0.155	19.089	28.684	11.835	1.058
2937	KYGRA	870519	0.026	0.106	-0.006	0.060	-0.005	2.015	3.995	0.636	0.032
			1.360	3.002	-0.139	0.634	-0.065	32.438	41.547	35.216	1.404
2938	KYGRA	870526	0.015	0.085	-0.007	0.070	-0.005	0.710	1.552	0.125	0.036
			0.769	2.404	-0.141	0.736	-0.064	11.429	16.137	6.943	1.561
2956	KYGRA	870602	0.048	0.510	-0.008	-0.064	-0.004	3.083	5.617	0.836	0.399
			2.524	14.386	-0.167	-0.673	-0.056	49.635	58.412	46.294	17.342
2981	KYGRA	870609	0.017	0.107	-0.004	-0.044	-0.022	1.659	3.838	0.243	0.027
			0.872	3.011	-0.085	-0.457	-0.280	26.707	39.912	13.472	1.190
3012	KYGRA	870616	0.029	0.119	-0.004	-0.016	-0.017	4.048	6.420	0.604	0.013
			1.511	3.349	-0.082	-0.165	-0.209	65.180	66.771	33.489	0.574
3047	KYGRA	870623	0.026	0.177	-0.003	-0.056	-0.005	2.630	7.956	0.667	0.099
			1.359	4.998	-0.060	-0.583	-0.064	42.337	82.747	36.926	4.294
3048	KYGRA	870630	0.011	0.142	-0.004	-0.058	-0.005	0.962	1.972	0.132	0.087
			0.582	4.012	-0.081	-0.606	-0.068	15.487	20.506	7.290	3.780
3071	KYGRA	870707	0.035	0.268	-0.010	-0.052	-0.017	2.797	5.562	0.139	0.111
			1.860	7.564	-0.226	-0.551	-0.214	45.037	57.841	7.720	4.837
3090	KYGRA	870714	0.018	0.083	-0.008	-0.072	-0.011	2.237	3.308	0.335	0.008
			0.949	2.329	-0.183	-0.758	-0.133	36.018	34.405	18.565	0.333
3102	KYGRA	870721	0.019	0.142	-0.004	-0.079	-0.008	3.550	5.455	0.126	0.029
			1.019	3.997	-0.083	-0.826	-0.104	57.161	56.737	6.999	1.245
3114	KYGRA	870728	0.049	0.167	-0.001	-0.081	-0.008	4.108	9.875	0.852	0.033
			2.584	4.710	-0.024	-0.846	-0.104	66.133	102.696	47.180	1.419
3145	KYGRA	870804	0.057	0.216	-0.004	-0.072	-0.004	3.504	10.238	0.571	0.036
			2.983	6.087	-0.083	-0.754	-0.049	56.413	106.475	31.636	1.549
3171	KYGRA	870818	0.025	0.111	-0.003	-0.080	-0.009	1.610	4.100	0.444	0.048
			1.305	3.122	-0.065	-0.844	-0.107	25.915	42.639	24.619	2.085
3189	KYGRA	870825	0.021	0.105	-0.005	-0.073	-0.009	2.277	4.936	0.430	0.029
			1.111	2.967	-0.114	-0.765	-0.114	36.658	51.337	23.828	1.278

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3206	KYGRA	870901	0.011	0.051	-0.005	-0.068	-0.017	0.493	0.304	0.066	0.020
			0.586	1.451	-0.118	-0.717	-0.217	7.943	3.165	3.649	0.859
3239	KYGRA	870908	0.024	0.123	-0.001	-0.044	-0.010	3.039	6.866	0.730	0.009
			1.264	3.477	-0.029	-0.461	-0.131	48.930	71.402	40.419	0.379
3255	KYGRA	870915	0.031	0.159	-0.002	-0.075	0.094	2.529	3.788	0.419	0.054
			1.612	4.479	-0.047	-0.789	1.181	40.716	39.393	23.201	2.367
3280	KYGRA	870929	0.009	0.098	-0.004	-0.079	-0.007	0.804	1.719	0.207	0.058
			0.455	2.750	-0.087	-0.826	-0.088	12.949	17.881	11.454	2.509
3291	KYGRA	871006	0.042	0.261	-0.062	-0.019	-0.034	3.875	6.038	0.531	0.349
			2.224	7.374	-1.342	-0.198	-0.425	62.392	62.796	29.392	15.190
3309	KYGRA	871020	0.041	0.287	-0.002	-0.031	-0.032	6.766	5.973	0.612	0.076
			2.160	8.086	-0.043	-0.322	-0.395	108.927	62.115	33.930	3.310
3359	KYGRA	871110	-0.002	0.477	0.032	-0.074	-0.009	0.846	1.492	0.228	0.275
			-0.124	13.446	0.701	-0.780	-0.116	13.627	15.520	12.626	11.959
3380	KYGRA	871117	0.021	0.266	0.014	0.009	-0.018	1.848	2.458	0.259	0.096
			1.104	7.498	0.294	0.094	-0.225	29.751	25.561	14.353	4.159
3388	KYGRA	871124	0.025	0.298	0.014	0.214	-0.023	1.793	2.464	0.189	0.119
			1.319	8.396	0.306	2.243	-0.293	28.862	25.628	10.493	5.157
3413	KYGRA	871201	0.029	0.582	0.035	-0.005	-0.007	3.657	2.646	0.416	0.286
			1.523	16.406	0.763	-0.049	-0.091	58.876	27.517	23.049	12.442
3437	KYGRA	871209	-0.011	0.162	0.011	0.008	-0.005	1.472	2.279	0.226	0.064
			-0.597	4.581	0.235	0.085	-0.063	23.696	23.697	12.542	2.772
3438	KYGRA	871215	-0.012	0.138	-0.001	0.011	-0.005	1.403	3.027	0.092	0.043
			-0.623	3.881	-0.025	0.116	-0.060	22.589	31.485	5.100	1.862
3460	KYGRA	871222	-0.011	0.020	-0.005	0.009	0.039	0.338	1.191	0.034	-0.002
			-0.556	0.554	-0.107	0.100	0.490	5.444	12.382	1.878	-0.077
3487	KYGRA	871229	0.016	0.236	0.018	0.007	-0.006	1.849	1.837	0.125	0.117
			0.822	6.663	0.387	0.070	-0.080	29.775	19.104	6.926	5.109

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2859	KYGRA	870421	0.063	0.291	0.050
			1.620	7.261	2.077
2876	KYGRA	870428	0.056	0.137	0.019
			1.444	3.419	0.764
2903	KYGRA	870512	0.015	0.114	0.012
			0.374	2.839	0.503
2937	KYGRA	870519	0.041	0.128	0.013
			1.050	3.203	0.547
2938	KYGRA	870526	0.015	0.038	0.008
			0.394	0.959	0.347
2956	KYGRA	870602	0.070	0.189	0.063
			1.795	4.707	2.585
2991	KYGRA	870609	0.005	0.269	0.025
			0.128	6.699	1.014
3012	KYGRA	870616	0.020	0.229	0.024
			0.503	5.711	0.983
3047	KYGRA	870623	0.064	0.208	0.020
			1.636	5.189	0.822
3048	KYGRA	870630	0.018	0.187	0.024
			0.468	4.657	0.991
3071	KYGRA	870707	0.016	0.263	0.027
			0.410	6.553	1.102
3090	KYGRA	870714	0.008	0.265	0.030
			0.195	6.619	1.220
3102	KYGRA	870721	0.003	0.236	0.025
			0.085	5.895	1.046
3114	KYGRA	870728	0.002	0.466	0.030
			0.051	11.637	1.233
3145	KYGRA	870804	0.000	0.579	0.037
			0.008	14.458	1.537
3171	KYGRA	870818	0.024	0.432	0.042
			0.606	10.767	1.725
3189	KYGRA	870825	0.008	0.188	0.016
			0.210	4.697	0.671

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3206	KYGRA	870901	0.018	0.057	0.007
			0.467	1.412	0.281
3239	KYGRA	870908	0.014	0.130	0.014
			0.353	3.248	0.585
3255	KYGRA	870915	0.032	0.569	0.048
			0.809	14.191	1.985
3280	KYGRA	870929	0.019	0.129	0.017
			0.482	3.228	0.701
3291	KYGRA	871006	0.105	0.992	0.089
			2.684	24.759	3.662
3309	KYGRA	871020	0.118	0.366	0.038
			3.008	9.125	1.548
3359	KYGRA	871110	0.117	0.484	0.068
			2.982	12.084	2.779
3380	KYGRA	871117	0.037	0.361	0.049
			0.948	9.018	2.026
3388	KYGRA	871124	0.040	0.111	0.026
			1.035	2.774	1.069
3413	KYGRA	871201	0.089	0.317	0.048
			2.264	7.906	1.966
3437	KYGRA	871209	0.034	0.312	0.027
			0.857	7.796	1.126
3438	KYGRA	871215	0.024	0.204	0.022
			0.611	5.099	0.901
3460	KYGRA	871222	0.002	-0.016	0.003
			0.056	-0.393	0.115
3487	KYGRA	871229	0.014	0.260	0.033
			0.359	6.494	1.368

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2518	KYMAM	870106		920	870113	925	870122	1	0.12	244.00	24.6
2550	KYMAM	870113		925	870120	920	870129	5	0.66	1447.00	1.6
2557	KYMAM	870120	1.00	920	870127	900	870203	2		560.00	15.9
2592	KYMAM	870127		900	870203	900	870210	3	0.26	586.00	18.7
2669	KYMAM	870224		930	870303	1030	870306	4	3.07	5621.00	7.7
2695	KYMAM	870303		1030	870310	930	870319	2	0.06	114.00	
2707	KYMAM	870310		930	870317	940	870320	2	1.17	1956.00	23.4
2755	KYMAM	870317		940	870324	845	870331	1	0.04	88.00	
2763	KYMAM	870324	2.00	845	870331	845	870407	3	1.32	2655.00	15.2
2789	KYMAM	870331	2.00	845	870407	930	870414	2	0.26	494.00	14.2
2805	KYMAM	870407		830	870414	900	870420	4	1.07	1884.00	17.9
2833	KYMAM	870414		900	870421	957	870425	3	0.83	818.00	23.6

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2518	KYMAM	870106	4.18	3		1.04	1.02	150.0	4.29	59.0	28.8
2550	KYMAM	870113	4.22	3		1.10	1.04	550.0	4.38	49.9	19.2
2557	KYMAM	870120	4.17	3		1.11	1.02	500.0	4.32	57.4	23.2
2592	KYMAM	870127	4.13			1.08	1.01	475.0	4.37	49.9	20.8
2669	KYMAM	870224	4.46			1.02	1.20	550.0	4.70	23.1	7.9
2695	KYMAM	870303		3		1.01	1.05	114.0	3.89	135.7	65.7
2707	KYMAM	870310	4.15			1.02	1.07	560.0	4.41	45.3	21.5
2755	KYMAM	870317		3		0.73	1.04	88.0	5.93		8.2
2763	KYMAM	870324	4.28	3		1.01	1.08	575.0	4.48	41.5	16.8
2789	KYMAM	870331		3		0.97	1.06	375.0	4.48	39.2	18.1
2805	KYMAM	870407		3		1.04	1.05	525.0	4.47	40.7	18.9
2833	KYMAM	870414		3		1.02	1.03	575.0	4.23	68.0	29.4

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2518	KYMAM	870106	0.025	0.204	-0.028	0.038	0.053	2.322	2.964	0.328	0.074
			1.334	5.751	-0.613	0.395	0.668	37.384	30.821	18.192	3.226
2550	KYMAM	870113	0.018	0.043	-0.005	0.033	0.052	1.288	1.753	0.163	0.024
			0.930	1.206	-0.115	0.345	0.649	20.736	18.227	9.018	1.059
2557	KYMAM	870120	0.018	0.217	-0.035	0.035	0.071	2.062	1.617	0.162	0.079
			0.931	6.122	-0.758	0.363	0.893	33.204	16.813	8.991	3.419
2592	KYMAM	870127	0.015	0.231	-0.081	0.032	-0.077	1.511	1.672	0.136	0.086
			0.785	6.503	-1.766	0.332	-0.963	24.327	17.393	7.539	3.761
2669	KYMAM	870224	-0.003	0.074	-0.013	-0.058	-0.024	0.540	0.810	0.068	0.040
			-0.160	2.093	-0.275	-0.608	-0.300	8.691	8.419	3.744	1.737
2695	KYMAM	870303	0.040	0.368	-0.002	-0.058	-0.006	7.225	5.114	0.464	0.056
			2.101	10.383	-0.043	-0.607	-0.070	116.324	53.182	25.728	2.434
2707	KYMAM	870310	0.012	0.168	-0.039	0.054	-0.015	1.212	2.806	0.592	0.108
			0.613	4.725	-0.841	0.572	-0.184	19.505	29.183	32.815	4.679
2755	KYMAM	870317	0.016	0.216	-0.009	0.079	-0.007	0.765	1.535	0.061	0.353
			0.816	6.077	-0.205	0.832	-0.091	12.323	15.963	3.371	15.334
2763	KYMAM	870324	0.016	0.062	-0.013	0.057	-0.023	1.133	1.969	0.221	0.041
			0.867	1.748	-0.286	0.598	-0.293	18.243	20.473	12.271	1.784
2789	KYMAM	870331	0.009	0.075	-0.023	-0.059	-0.034	1.818	1.829	0.303	0.032
			0.483	2.127	-0.491	-0.619	-0.425	29.271	19.018	16.759	1.395
2805	KYMAM	870407	0.009	0.110	-0.025	0.066	-0.010	1.267	2.266	0.399	0.060
			0.493	3.104	-0.544	0.692	-0.121	20.403	23.564	22.096	2.596
2833	KYMAM	870414	0.013	0.164	-0.007	-0.058	-0.008	1.309	3.358	0.400	0.080
			0.680	4.627	-0.162	-0.610	-0.100	21.071	34.926	22.187	3.498

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2518	KYMAN	870106	0.056 1.442	0.542 13.526	0.043 1.780
2550	KYMAN	870113	0.018 0.456	0.063 1.565	0.006 0.234
2557	KYMAN	870120	0.041 1.059	0.132 3.288	0.015 0.600
2592	KYMAN	870127	0.031 0.783	0.136 3.397	0.017 0.693
2669	KYMAN	870224	0.009 0.240	0.023 0.571	0.007 0.272
2695	KYMAN	870303	0.065 1.658	1.299 32.403	0.137 5.648
2707	KYMAN	870310	0.027 0.695	0.087 2.183	0.030 1.233
2755	KYMAN	870317	0.174 4.461	0.525 13.111	0.274 11.288
2763	KYMAN	870324	0.033 0.832	0.253 6.322	0.029 1.205
2789	KYMAN	870331	0.032 0.824	0.336 8.373	0.039 1.625
2805	KYMAN	870407	0.052 1.335	0.176 4.401	0.022 0.924
2833	KYMAN	870414	0.068 1.752	0.135 3.380	0.022 0.914

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2851	KYMAM	870421		957	870428		870505	2	0.150	174.000	31.700
2860	KYMAM	870428		915	870505	910	870511	2		2955.000	25.700
2894	KYMAM	870512		920	870519	845	870526	2	0.940	1477.000	27.700
2924	KYMAM	870519		845	870526	940	870602	3	1.330	2245.000	14.600
2939	KYMAM	870526		940	870602	915	870609	3	1.020	1758.000	17.600
3000	KYMAM	870616		900	870623	900	870629	4	2.170	3816.000	
3029	KYMAM	870623		900	870630	900	870707	1		1085.000	
3049	KYMAM	870630	10.00	900	870707	927	870713	4		7073.000	
3067	KYMAM	870707	0.41	927	870714	920	870717	5		2088.000	15.700
3115	KYMAM	870728		915	870804	915	870811	3	0.140	229.000	66.200
3132	KYMAM	870804		915	870811	1030	870817	1	0.070	110.000	
3153	KYMAM	870811		1030	870818	1030	870825	1	1.360	2381.000	18.000
3184	KYMAM	870818		1030	870901	1030	870908	1		25.000	
3202	KYMAM	870901		1030	870908	915	870914			3561.000	6.320
3232	KYMAM	870908		915	870915	915	870922	4		1255.000	57.500
3260	KYMAM	870915			870922	840	870929	2	0.210	297.000	31.000
3275	KYMAM	870929	0.50		871006	900	871013	1	0.710	1335.000	22.500

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3286	KYMAM	871006		900	871013	900	871016	1	0.030	40.000	
3295	KYMAM	871013		900	871020	830	871027			86.000	
3304	KYMAM	871020		830	871027	930	871102	4		321.000	42.800
3340	KYMAM	871103	2.00	910	871110	930	871117	3	1.760	3148.000	16.000
3360	KYMAM	871110		900	871117	1000	871125	2	0.980	1641.000	8.200
3370	KYMAM	871117		900	871124	913	871130	1		562.000	
3398	KYMAM	871124			871201	900	871210	3	1.330	2295.000	15.400
3406	KYMAM	871201		900	871208	830	871215	1		29.000	
3439	KYMAM	871208		830	871215	1430	880105	4	1.270	2470.000	
3440	KYMAM	871215		1430	871222	945	880105	2	0.300	540.000	20.300
3441	KYMAM	871222	2.24	945	871229	935	880105	5	5.120	9062.000	7.700
3475	KYMAM	871229	2.00	935	880105	930	880111	1	0.410	707.000	28.400

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2851	KYMAM	870421	4.180	3.000		1.031	0.994	150.000	4.230	69.700	40.333
2860	KYMAM	870428	4.460	3.000	32.000	0.968	1.023	550.000	4.630	30.700	20.157
2894	KYMAM	870512	4.140	3.000	33.000	1.059	1.006	240.000	4.200	73.000	32.918
2924	KYMAM	870519	4.330			1.017	~~1.012~~	~~550.000~~	~~4.410~~	~~66.500~~	~~20.663~~
2939	KYMAM	870526	4.160	3.000		1.074	1.019	550.000	4.240	66.500	28.087
3000	KYMAM	870616	4.200			1.076	1.030	550.000	4.250	67.700	26.074
3029	KYMAM	870623	3.790			1.058	0.966	550.000	3.840	160.500	72.245
3049	KYMAM	870630	4.480			1.024	1.058	550.000	4.450	41.300	16.107
3067	KYMAM	870707	4.410	3.000	33.000	1.161	1.075	550.000	4.410	46.600	16.426
3115	KYMAM	870728	3.860	3.000	33.000	1.019	1.000	150.000	3.840	154.000	77.332
3132	KYMAM	870804		3.000		1.066	1.025	120.000	4.120	87.100	36.370
3153	KYMAM	870811	4.430			1.040	1.098	550.000	4.580	34.300	14.061
3184	KYMAM	870818		2.000		1.052	0.995	20.000	4.110		44.276
3202	KYMAM	870901	4.790	3.000		0.968	1.306	550.000	4.830	16.000	4.979
3232	KYMAM	870908	3.910	3.000		1.069	0.977	550.000	3.900	143.600	57.478
3260	KYMAM	870915	4.220	3.000	32.000	1.067	0.987	220.000	4.240	67.700	28.208
3275	KYMAM	870929	4.310			1.061	1.026	550.000	4.320	57.000	22.565

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3286	KYMAM	871006		13.000	99.000	9999.000	9999.000	30.000	3.860		
3295	KYMAM	871013		3.000		1.053	0.965	85.000	3.880	148.300	68.590
3304	KYMAM	871020	4.060	3.000		1.037	1.013	250.000	4.120	87.200	39.116
3340	KYMAM	871103	4.420			1.049	1.103	525.000	4.450	42.500	15.257
3360	KYMAM	871110	4.810	3.000	33.000	0.999	1.230	550.000	4.810	21.700	7.570
3370	KYMAM	871117		3.000	3233.000	1.053	0.997	500.000	4.070	96.500	44.602
3398	KYMAM	871124	4.420			1.096	1.086	460.000	4.500	37.900	14.241
3406	KYMAM	871201		13.000/	2.13335E+07	9999.000	9999.000	28.000	6.370		
3439	KYMAM	871208		2.000	2133.000	0.993	1.069	550.000	4.290	55.000	26.592
3440	KYMAM	871215	4.300	3.000	21.000	1.013	1.118	475.000	4.280	55.600	22.210
3441	KYMAM	871222	4.690	3.000		1.011	1.383	550.000	4.760	20.400	5.634
3475	KYMAM	871229	4.290			0.992	1.136	550.000	4.270	56.500	22.331

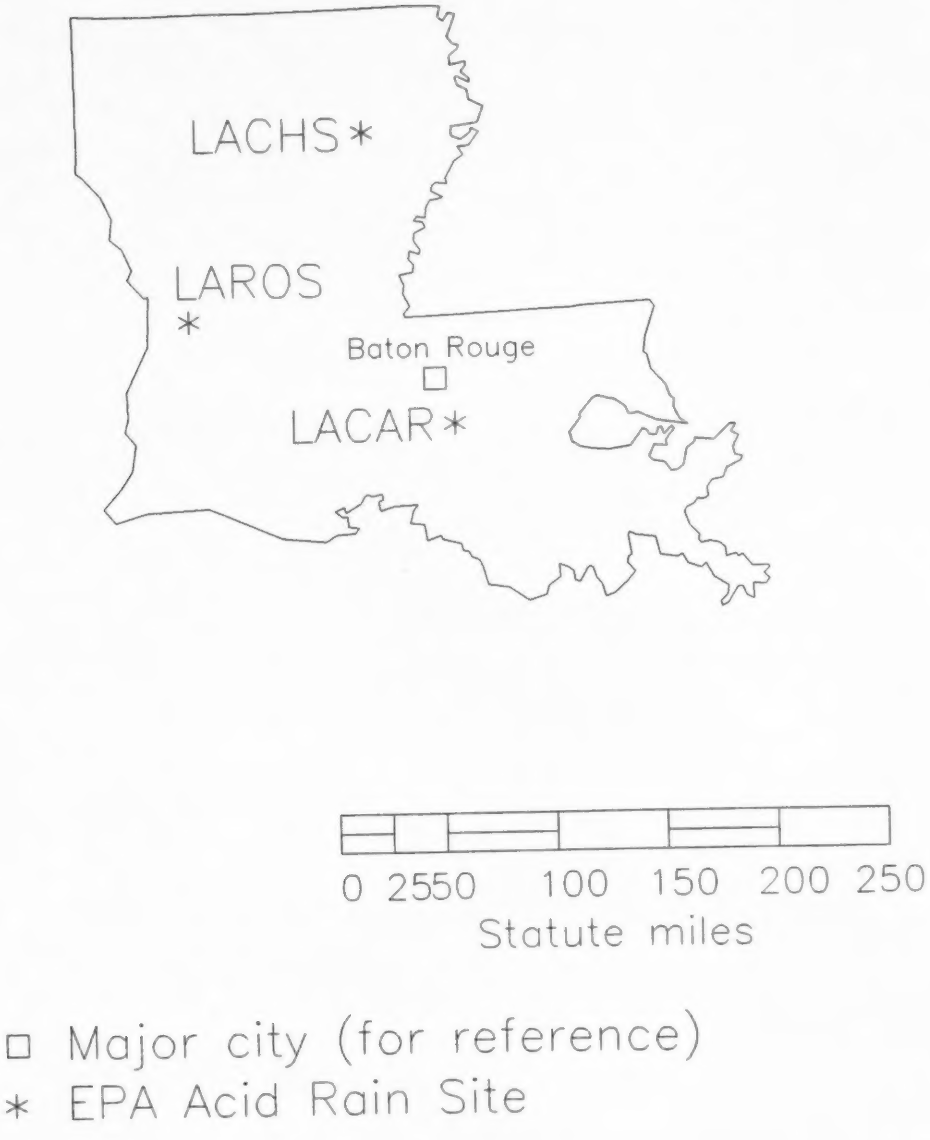
ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2851	KYMAN	870421	0.030	0.224	-0.007	-0.059	-0.014	3.534	4.910	1.162	0.083
			1.564	6.317	-0.158	-0.623	-0.177	56.896	51.061	64.354	3.613
2860	KYMAN	870428	0.013	0.343	-0.011	0.055	-0.031	1.611	2.758	0.984	0.141
			0.709	9.671	-0.237	0.578	-0.382	25.930	28.682	54.511	6.154
2894	KYMAN	870512	0.018	0.105	-0.002	0.049	-0.014	1.789	3.669	0.480	0.052
			0.965	2.966	-0.050	0.510	-0.176	28.797	38.159	26.607	2.262
2924	KYMAN	870519	-0.031	0.074	-0.014	-0.057	-0.004	1.101	2.394	0.414	0.023
			-1.654	2.084	-0.308	-0.597	-0.053	17.733	24.893	22.908	0.988
2939	KYMAN	870526	0.024	0.118	-0.007	0.062	-0.005	1.383	2.947	0.333	0.053
			1.248	3.336	-0.144	0.653	-0.064	22.273	30.647	18.460	2.323
3000	KYMAN	870616	0.017	0.059	-0.003	0.053	-0.025	1.446	2.530	0.264	0.015
			0.876	1.663	-0.060	0.554	-0.313	23.282	26.315	14.605	0.644
3029	KYMAN	870623	0.029	0.123	-0.003	0.048	-0.006	2.661	7.616	0.767	0.033
			1.510	3.465	-0.070	0.502	-0.077	42.845	79.206	42.473	1.431
3049	KYMAN	870630	0.010	0.117	-0.004	-0.058	-0.006	0.848	1.593	0.106	0.055
			0.515	3.288	-0.085	-0.610	-0.069	13.645	16.564	5.882	2.404
3067	KYMAN	870707	0.011	0.140	-0.008	0.075	-0.011	1.017	1.696	0.095	0.083
			0.579	3.935	-0.180	0.785	-0.144	16.372	17.636	5.271	3.629
3115	KYMAN	870728	0.043	0.218	-0.001	-0.081	-0.008	4.668	8.560	0.809	0.072
			2.285	6.153	-0.023	-0.846	-0.104	75.157	89.028	44.818	3.117
3132	KYMAN	870804	0.032	0.134	-0.010	-0.078	-0.016	1.861	3.891	0.214	0.077
			1.659	3.793	-0.226	-0.821	-0.195	29.958	40.461	11.865	3.360
3153	KYMAN	870811	0.015	0.114	-0.002	-0.081	-0.005	0.905	1.886	0.267	0.101
			0.779	3.207	-0.048	-0.846	-0.060	14.578	19.615	14.766	4.396
3184	KYMAN	870818	0.031	0.630	-0.005	-0.072	-0.009	2.605	4.859	0.225	0.385
			1.628	17.764	-0.103	-0.757	-0.115	41.945	50.530	12.438	16.755
3202	KYMAN	870901	-0.002	0.019	0.006	-0.066	-0.016	0.281	0.535	0.020	0.009
			-0.092	0.532	0.129	-0.693	-0.195	4.521	5.568	1.098	0.402
3232	KYMAN	870908	0.016	0.109	-0.001	-0.045	-0.006	2.811	4.874	0.174	0.011
			0.824	3.086	-0.014	-0.471	-0.075	45.261	50.686	9.654	0.493
3260	KYMAN	870915	0.017	0.154	-0.002	-0.081	0.101	1.517	2.622	0.205	0.074
			0.917	4.344	-0.046	-0.854	1.270	24.431	27.272	11.381	3.212
3275	KYMAN	870929	0.012	0.119	0.021	-0.080	-0.008	0.767	2.555	0.211	0.051
			0.619	3.367	0.451	-0.835	-0.099	12.356	26.567	11.687	2.222

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3286	KYMAM	871006									
3295	KYMAM	871013	0.036	0.450	-0.057	-0.019	-0.033	3.404	6.735	0.639	0.146
			1.888	12.683	-1.236	-0.197	-0.417	54.803	70.044	35.392	6.341
3304	KYMAM	871020	0.028	0.230	-0.002	-0.027	-0.034	2.427	4.057	0.434	0.114
			1.449	6.494	-0.043	-0.287	-0.420	39.082	42.196	24.028	4.939
3340	KYMAM	871103	0.010	0.114	-0.002	-0.071	0.144	0.863	1.494	0.123	0.054
			0.512	3.208	-0.053	-0.743	1.801	13.895	15.534	6.838	2.335
3360	KYMAM	871110	-0.002	0.184	-0.013	-0.071	-0.009	0.567	1.003	0.155	0.103
			-0.127	5.195	-0.278	-0.746	-0.115	9.124	10.436	8.612	4.481
3370	KYMAM	871117	0.028	0.892	0.030	0.018	-0.011	3.014	3.598	0.340	0.478
			1.460	25.167	0.659	0.193	-0.144	48.530	37.419	18.836	20.796
3398	KYMAM	871124	-0.007	0.305	-0.028	0.029	-0.041	0.630	1.399	0.079	0.147
			-0.367	8.596	-0.605	0.307	-0.516	10.150	14.552	4.393	6.377
3406	KYMAM	871201									
3439	KYMAM	871208	-0.012	0.476	-0.001	0.010	-0.005	1.400	3.012	0.314	0.274
			-0.648	13.412	-0.024	0.110	-0.058	22.539	31.327	17.395	11.919
3440	KYMAM	871215	-0.013	0.129	0.006	0.009	0.091	1.249	2.267	0.108	0.048
			-0.674	3.652	0.132	0.097	1.142	20.112	23.575	5.964	2.107
3441	KYMAM	871222	-0.013	0.024	-0.001	0.008	-0.004	0.272	0.726	0.044	0.011
			-0.699	0.672	-0.023	0.088	-0.053	4.383	7.551	2.426	0.458
3475	KYMAM	871229	0.008	0.140	-0.004	0.014	-0.010	1.501	2.072	0.242	0.084
			0.433	3.956	-0.096	0.150	-0.128	24.170	21.545	13.399	3.668

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2851	KYMAN	870421	0.089	0.574	0.058
			2.268	14.316	2.382
2860	KYMAN	870428	0.123	0.173	0.035
			3.153	4.312	1.444
2894	KYMAN	870512	0.029	0.179	0.042
			0.736	4.468	1.709
2924	KYMAN	870519	0.044	0.059	0.024
			1.118	1.460	0.995
2939	KYMAN	870526	0.015	0.076	0.024
			0.394	1.904	0.990
3000	KYMAN	870616	0.004	0.056	0.008
			0.102	1.397	0.333
3029	KYMAN	870623	0.020	0.146	0.019
			0.504	3.632	0.777
3049	KYMAN	870630	0.010	0.094	0.013
			0.253	2.335	0.535
3067	KYMAN	870707	-0.002	0.096	0.019
			-0.041	2.394	0.792
3115	KYMAN	870728	0.041	1.137	0.098
			1.037	28.358	4.015
3132	KYMAN	870804	0.028	0.312	0.030
			0.714	7.794	1.250
3153	KYMAN	870811	0.011	0.154	0.029
			0.285	3.833	1.203
3184	KYMAN	870818	0.585	0.493	0.106
			14.969	12.291	4.359
3202	KYMAN	870901	-0.002	0.014	0.000
			-0.043	0.346	0.012
3232	KYMAN	870908	-0.002	0.105	0.010
			-0.039	2.610	0.408
3260	KYMAN	870915	0.037	0.115	0.023
			0.937	2.874	0.951
3275	KYMAN	870929	-0.001	0.073	0.012
			-0.035	1.809	0.484

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3286	KYMAM	871006			
3295	KYMAM	871013	0.161 4.125	0.386 9.631	0.040 1.634
3304	KYMAM	871020	0.088 2.240	0.333 8.321	0.045 1.865
3340	KYMAM	871103	0.013 0.336	0.053 1.319	0.011 0.434
3360	KYMAM	871110	0.016 0.407	0.093 2.319	0.021 0.880
3370	KYMAM	871117	0.089 2.267	0.233 5.813	0.070 2.896
3398	KYMAM	871124	0.016 0.417	0.005 0.124	0.021 0.880
3406	KYMAM	871201			
3439	KYMAM	871208	0.154 3.949	0.240 5.983	0.044 1.795
3440	KYMAM	871215	0.024 0.613	0.184 4.585	0.021 0.884
3441	KYMAM	871222	0.005 0.117	-0.007 -0.167	-0.002 -0.079
3475	KYMAM	871229	0.014 0.357	0.033 0.821	0.006 0.234

Louisiana


LACHS *
LAROS *
Baton Rouge □
LACAR *
0 25 50 100 150 200 250
Statute miles
□ Major city (for reference)
* EPA Acid Rain Site

LOUISANNA

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
LACAR	Carville	Carville	Iberville			19	100
LACHS	Chase	Chase	Franklin			39	97.4
LAROS	Rosepine	Rosepine	Vernon			34	100

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: LACAR

Data Plots, Jan '87 - Dec '87

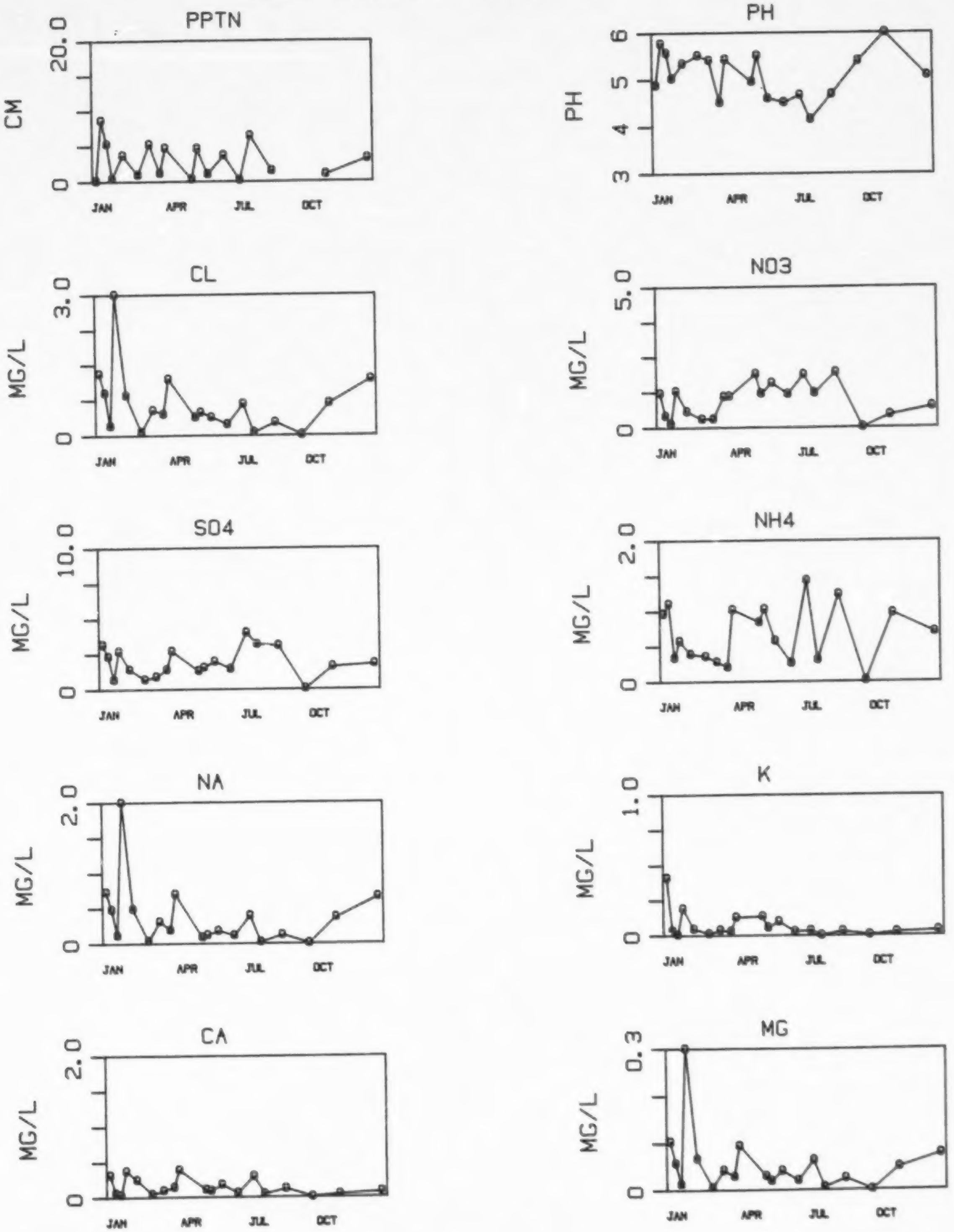


Figure 2-1 (continued)

SITE: LACHS

Data Plots, Jan '87 - Dec '87

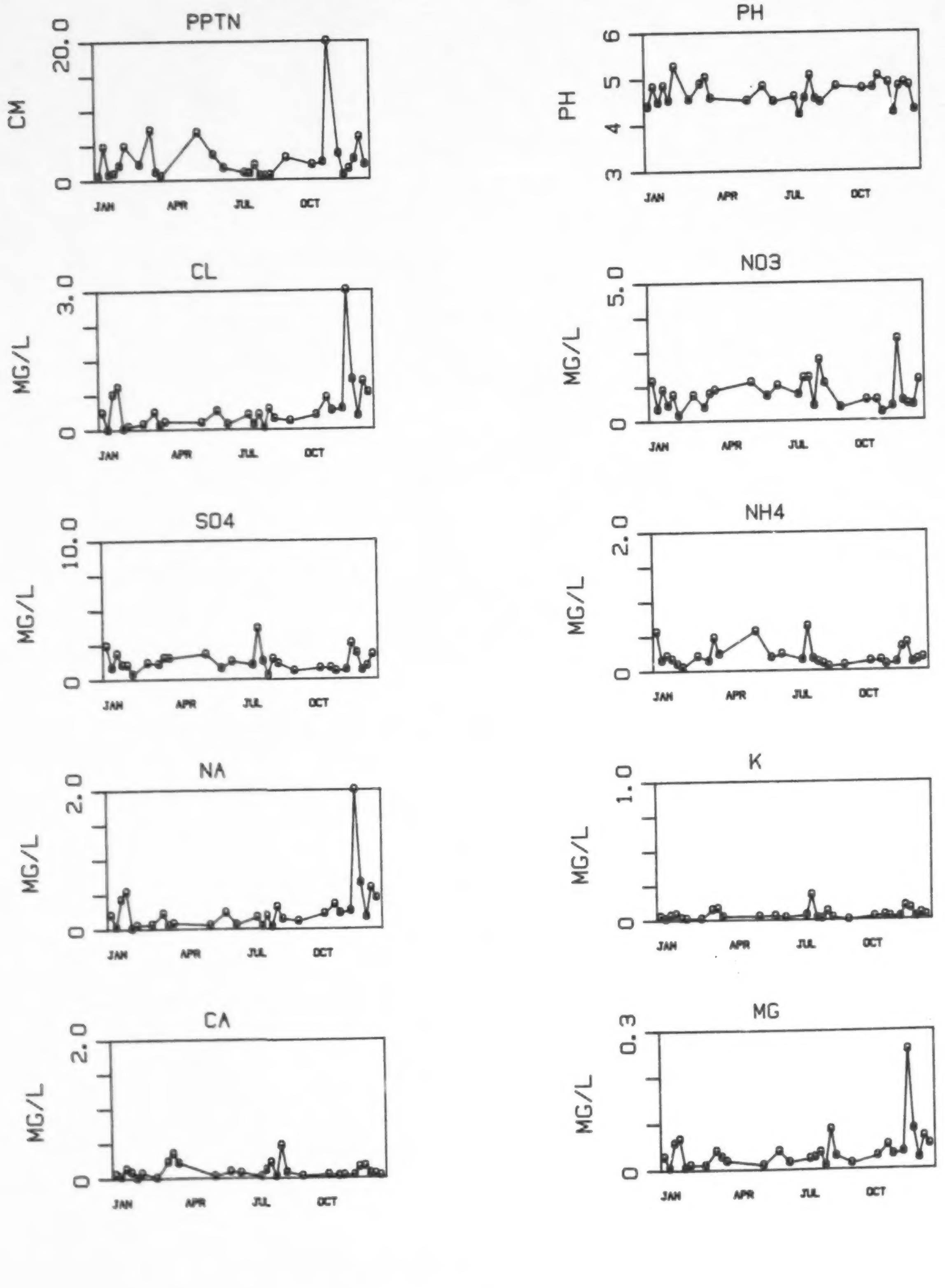
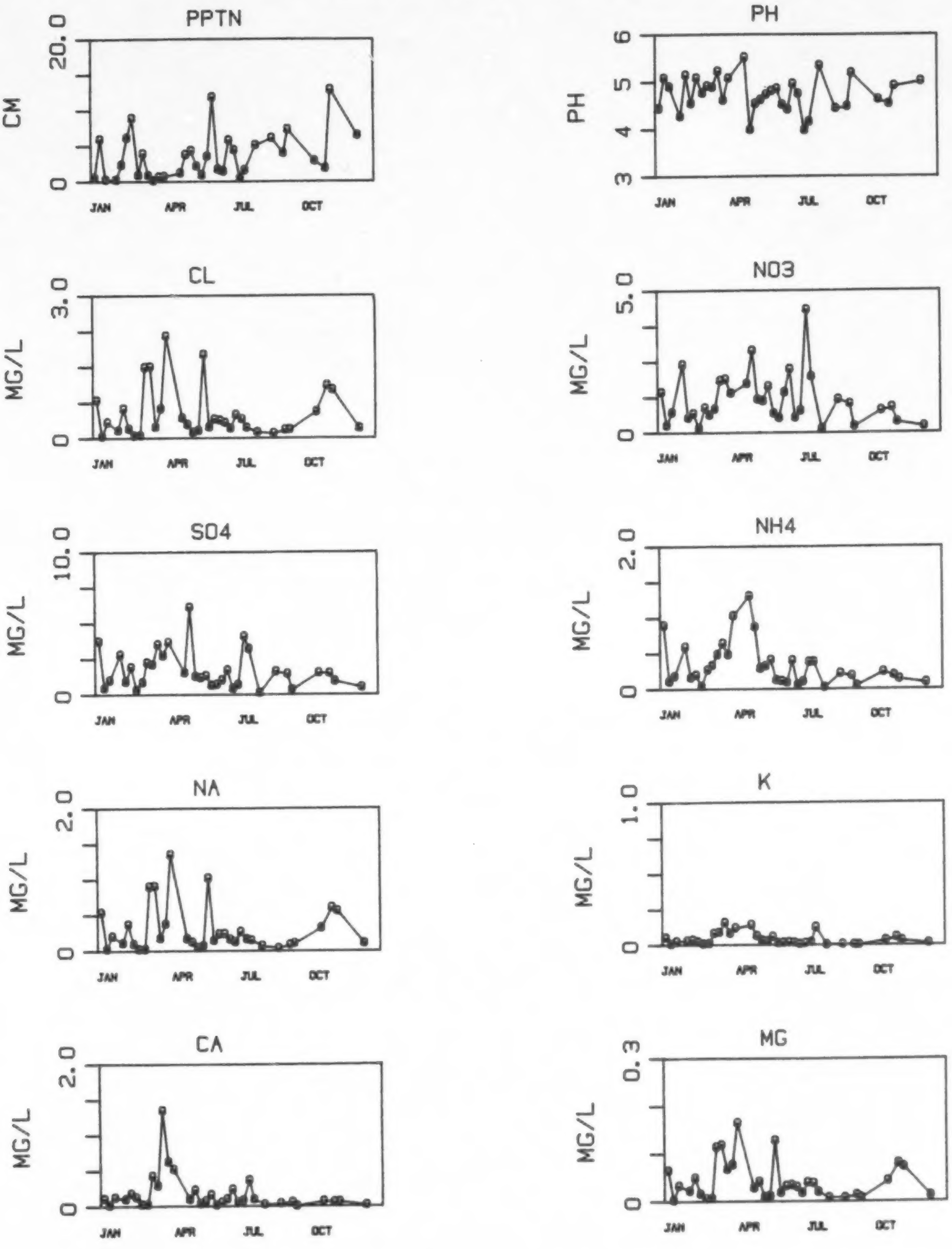


Figure 2-1 (continued)

SITE: LAROS

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2520	LACAR	870106		1425	870113	1230	870122	1	0.05	59.00	
2544	LACAR	870113		1230	870120	1255	870128	5	3.42	5434.00	13.1
2561	LACAR	870120		1255	870127	1345	870204	3	2.09	3434.00	4.8
2593	LACAR	870127		1345	870203	1158	870211	1	0.17	302.00	39.1
2630	LACAR	870210		1112	870217	1045	870223	1	1.46	2434.00	10.9
2697	LACAR	870302		1115	870310	1100	870319	2		657.00	5.4
2742	LACAR	870317		1140	870324	1240	870331	2	2.07	3579.00	7.6
2776	LACAR	870331		1215	870407	1025	870411	2	0.47	820.00	19.6
2806	LACAR	870407		1025	870414	1200	870420	1	1.86	3170.00	24.0

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2520	LACAR	870106		3		1.01	1.14	52.0	4.88		19.8
2544	LACAR	870113	4.92			0.92	1.12	525.0	5.77		11.7
2561	LACAR	870120	5.15			0.84	1.26	550.0	5.57		3.6
2593	LACAR	870127	4.47			1.00	1.07	100.0	5.02	14.7	30.9
2630	LACAR	870210	4.50	3	33	0.97	1.13	550.0	5.34	12.1	9.2
2697	LACAR	870302	4.80	3	33	0.92	1.21	376.0	5.51		3.8
2742	LACAR	870317	5.14		33	1.01	1.12	575.0	5.41		6.2
2776	LACAR	870331	4.47			1.03	1.11	525.0	4.51	39.2	15.6
2806	LACAR	870407	4.66			0.91	1.02	550.0	5.43	11.3	17.0

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ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2520	LACAR	870106	0.032	1.313	-0.019	0.340	-0.009	1.217	3.177	0.971	0.731
			1.696	37.015	-0.406	3.567	-0.113	19.586	33.041	53.791	31.816
2544	LACAR	870113	0.061	0.903	-0.006	0.033	-0.007	0.413	2.339	1.110	0.484
			3.185	25.452	-0.120	0.344	-0.094	6.654	24.329	61.467	21.049
2561	LACAR	870120	0.023	0.202	-0.052	0.032	-0.051	0.136	0.691	0.337	0.114
			1.216	5.685	-1.131	0.340	-0.635	2.196	7.191	18.678	4.968
2593	LACAR	870127	0.033	5.288	-0.077	0.029	-0.073	1.289	2.697	0.578	3.050
			1.724	149.133	-1.672	0.302	-0.911	20.755	28.054	32.042	132.661
2630	LACAR	870210	0.015	0.849	-0.005	0.045	-0.004	0.567	1.419	0.391	0.491
			0.777	23.946	-0.099	0.475	-0.050	9.132	14.755	21.656	21.351
2697	LACAR	870302	0.006	0.076	0.034	0.076	-0.006	0.300	0.711	0.356	0.036
			0.327	2.140	0.741	0.802	-0.075	4.833	7.391	19.734	1.584
2742	LACAR	870317	0.004	0.531	-0.006	0.106	-0.012	0.304	0.904	0.278	0.310
			0.216	14.982	-0.124	1.110	-0.150	4.892	9.400	15.397	13.469
2776	LACAR	870331	0.005	0.450	-0.018	0.072	-0.040	1.099	1.403	0.203	0.190
			0.274	12.692	-0.388	0.759	-0.495	17.694	14.594	11.228	8.273
2806	LACAR	870407	0.010	1.196	-0.028	0.078	-0.011	1.109	2.697	1.020	0.700
			0.550	33.715	-0.618	0.818	-0.137	17.856	28.044	56.494	30.459

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2520	LACAR	870106	0.410	0.318	0.103
			10.494	7.923	4.255
2544	LACAR	870113	0.035	0.061	0.057
			0.898	1.521	2.357
2561	LACAR	870120	0.005	0.033	0.013
			0.126	0.821	0.518
2593	LACAR	870127	0.192	0.376	0.372
			4.901	9.382	15.285
2630	LACAR	870210	0.045	0.249	0.067
			1.154	6.224	2.742
2697	LACAR	870302	0.011	0.044	0.006
			0.285	1.085	0.233
2742	LACAR	870317	0.036	0.096	0.042
			0.933	2.401	1.726
2776	LACAR	870331	0.027	0.140	0.029
			0.693	3.494	1.183
2806	LACAR	870407	0.127	0.388	0.095
			3.247	9.683	3.898

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2905	LACAR	870512		957	870519	1055	870528	2	0.130	220.000	14.500
2925	LACAR	870519		1055	870526	1215	870602	4	1.820	3074.000	12.100
2957	LACAR	870602		1222	870609	1152	870616	2	0.410	688.000	20.100
3050	LACAR	870623		1045	870630	1136	870713	3	1.450	2679.000	
3091	LACAR	870714		1332	870721	1125	870728	2	0.070	152.000	
3116	LACAR	870728		1153	870804	1155	870811	1	2.540	4365.000	31.900
3191	LACAR	870825		1010	870901	1041	870910	4	0.590	1161.000	22.400
3314	LACAR	870929	0.84	1000	871006	1025	871104				1.800
3347	LACAR	871104	0.16	1249	871110	1430	871118	1	0.370	545.000	10.000
3483	LACAR	871229	0.43	1350	880105	1505	880112	3	1.260	1978.000	15.200

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2905	LACAR	870512	4.780		33.000	0.958	1.025	100.000	4.950		13.105
2925	LACAR	870519	4.820			0.896	1.004	450.000	5.510		10.911
2957	LACAR	870602	4.530	3.000	33.000	1.035	1.063	330.000	4.590	31.100	17.634
3050	LACAR	870623				1.017	1.077	550.000	4.510	37.500	15.374
3091	LACAR	870714		3.000		1.005	1.098	130.000	4.660	29.300	23.782
3116	LACAR	870728	4.070			0.982	1.107	550.000	4.150	76.800	29.584
3191	LACAR	870825	4.810	3.000	33.000	1.021	1.072	550.000	4.680	26.500	19.653
3314	LACAR	870929	5.280			0.195	2.454	330.000	5.390	10.600	0.620
3347	LACAR	871104	5.830	3.000		0.779	1.139	255.000	6.070		8.810
3483	LACAR	871229	4.600		33.000	0.961	1.106	550.000	5.080	13.000	12.780

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2905	LACAR	870512	0.028	0.381	-0.008	-0.048	-0.012	1.890	1.305	0.844	0.085
			1.472	10.738	-0.179	-0.506	-0.149	30.426	13.571	46.763	3.694
2925	LACAR	870519	-0.030	0.484	-0.014	-0.056	-0.004	1.196	1.553	1.029	0.120
			-1.575	13.654	-0.301	-0.590	-0.051	19.261	16.148	56.999	5.223
2957	LACAR	870602	0.024	0.377	-0.007	0.145	-0.005	1.570	1.963	0.576	0.177
			1.247	10.645	-0.163	1.527	-0.056	25.274	20.413	31.918	7.697
3050	LACAR	870623	0.009	0.232	-0.004	-0.059	-0.006	1.179	1.445	0.260	0.114
			0.480	6.551	-0.095	-0.622	-0.071	18.982	15.029	14.412	4.943
3091	LACAR	870714	0.135	0.665	-0.008	-0.073	-0.010	1.867	4.032	1.435	0.394
			7.094	18.751	-0.176	-0.763	-0.131	30.063	41.933	79.485	17.124
3116	LACAR	870728	0.025	0.060	-0.001	-0.081	-0.008	1.211	3.186	0.303	0.019
			1.298	1.683	-0.022	-0.845	-0.105	19.501	33.133	16.806	0.832
3191	LACAR	870825	0.048	0.267	-0.006	-0.073	-0.009	1.946	3.081	1.239	0.119
			2.504	7.539	-0.122	-0.770	-0.114	31.330	32.038	68.664	5.196
3314	LACAR	870929	0.003	0.004	-0.002	-0.036	-0.028	-0.030	0.030	0.009	-0.004
			0.151	0.120	-0.042	-0.382	-0.353	-0.489	0.315	0.519	-0.189
3347	LACAR	871104	0.015	0.673	0.023	-0.116	-0.010	0.431	1.580	0.971	0.368
			0.777	18.978	0.501	-1.216	-0.126	6.945	16.437	53.809	16.011
3483	LACAR	871229	0.023	1.179	-0.002	-0.016	-0.005	0.721	1.769	0.698	0.656
			1.227	33.260	-0.038	-0.172	-0.059	11.609	18.393	38.652	28.545

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2905	LACAR	870512	0.134	0.108	0.030
			3.428	2.694	1.216
2925	LACAR	870519	0.055	0.090	0.019
			1.396	2.257	0.795
2957	LACAR	870602	0.098	0.178	0.041
			2.506	4.430	1.688
3050	LACAR	870623	0.027	0.057	0.020
			0.686	1.424	0.832
3091	LACAR	870714	0.034	0.295	0.063
			0.876	7.370	2.602
3116	LACAR	870728	-0.002	0.043	0.006
			-0.040	1.082	0.256
3191	LACAR	870825	0.029	0.120	0.024
			0.742	2.987	0.992
3314	LACAR	870929	0.003	-0.012	-0.002
			0.075	-0.311	-0.072
3347	LACAR	871104	0.022	0.039	0.048
			0.554	0.964	1.983
3483	LACAR	871229	0.034	0.073	0.077
			0.875	1.809	3.156

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2519	LACHS	870106		1015	870113	935	870122	1	0.23	404.00	24.5
2556	LACHS	870120		1040	870127	1055	870202	2	0.34	581.50	27.1
2570	LACHS	870113		940	870120	1040	870205	4	1.91	3310.50	8.4
2583	LACHS	870127		1055	870203	1015	870209	1	0.40	709.00	14.5
2604	LACHS	870203		1020	870210	1015	870217	4	0.85	1488.50	13.4
2631	LACHS	870210		1015	870217	1000	870223	1	1.92	3203.00	4.2
2652	LACHS	870217		1000	870224	1030	870303	6	2.71	4699.50	19.5
2670	LACHS	870224		1030	870302	1045	870306	4	3.42	5971.00	11.8
2696	LACHS	870302		1045	870310	1015	870319	4	0.89	1590.00	15.6
2732	LACHS	870310		1020	870317	1000	870326	2	0.32	584.50	26.4
2752	LACHS	870317		1000	870324	850	870331	3	2.83	4935.00	8.9
2762	LACHS	870324		850	870331	950	870407	2	0.45	767.00	14.8
2790	LACHS	870331		950	870407	945	870414	2	0.23	399.00	20.7
2807	LACHS	870407		1045	870414	945	870420	1		1335.50	22.2

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2519	LACHS	870106	4.30			1.04	1.05	250.0	4.41	45.4	22.1
2556	LACHS	870120	4.20			1.07	1.02	380.0	4.49	41.4	19.5
2570	LACHS	870113	4.61			0.97	1.16	550.0	4.83	18.4	6.8
2583	LACHS	870127	4.55			1.01	1.10	550.0	4.85	22.1	10.8
2604	LACHS	870203	4.31			1.09	1.14	525.0	4.53	34.4	12.0
2631	LACHS	870210	4.95	3		0.87	1.25	550.0	5.27	11.9	2.8
2652	LACHS	870217	4.22		34	1.12	1.09	550.0	4.34	52.0	20.8
2670	LACHS	870224	4.60	3	34	0.97	1.12	525.0	5.05	18.2	8.3
2696	LACHS	870302	4.37			1.04	1.18	560.0	4.55	31.7	12.1
2732	LACHS	870310	4.57	3	99	9999.00	9999.00	450.0	5.13		
2752	LACHS	870317	4.57	3		0.91	0.98	575.0	4.89	18.3	10.0
2762	LACHS	870324	4.61	3		0.90	1.03	540.0	5.03	10.8	10.4
2790	LACHS	870331	4.43	3		1.01	1.08	225.0	4.58	32.1	14.2
2807	LACHS	870407	4.52		34	0.95	1.01	550.0	4.98	10.7	16.8

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2519	LACHS	870106	0.024	0.371	-0.019	0.045	-0.009	1.458	2.466	0.568	0.201
			1.256	10.452	-0.418	0.475	-0.115	23.467	25.645	31.454	8.763
2556	LACHS	870120	0.014	0.767	-0.005	0.029	-0.007	1.140	1.882	0.220	0.430
			0.722	21.620	-0.111	0.308	-0.087	18.353	19.568	12.186	18.700
2570	LACHS	870113	-0.005	-0.055	-0.103	0.026	-0.099	0.424	0.852	0.152	0.030
			-0.287	-1.556	-2.249	0.276	-1.237	6.821	8.857	8.442	1.321
2583	LACHS	870127	0.009	0.923	-0.137	0.033	-0.130	0.564	1.054	0.169	0.541
			0.467	26.039	-2.987	0.344	-1.628	9.087	10.966	9.357	23.528
2604	LACHS	870203	-0.008	0.020	-0.010	0.054	-0.035	0.945	1.037	0.099	0.007
			-0.441	0.553	-0.228	0.562	-0.436	15.216	10.781	5.512	0.293
2631	LACHS	870210	0.006	0.067	-0.004	-0.032	-0.004	0.209	0.372	0.051	0.054
			0.324	1.890	-0.096	-0.337	-0.052	3.371	3.868	2.827	2.347
2652	LACHS	870217	0.009	0.085	-0.004	0.109	-0.023	1.244	2.238	0.168	0.037
			0.472	2.406	-0.090	1.150	-0.283	20.031	23.272	9.331	1.597
2670	LACHS	870224	-0.003	0.441	-0.013	-0.060	-0.024	0.579	1.239	0.375	0.248
			-0.158	12.443	-0.284	-0.627	-0.301	9.330	12.884	20.781	10.771
2696	LACHS	870302	0.004	0.119	-0.002	0.066	-0.006	0.931	1.196	0.212	0.064
			0.208	3.360	-0.041	0.697	-0.072	14.997	12.444	11.738	2.773
2732	LACHS	870310									
2752	LACHS	870317	0.030	0.370	-0.009	-0.068	-0.008	0.487	1.109	0.140	0.221
			1.598	10.435	-0.186	-0.718	-0.105	7.835	11.532	7.736	9.596
2762	LACHS	870324	0.012	0.096	-0.013	0.083	-0.022	0.990	1.549	0.475	0.052
			0.623	2.719	-0.280	0.870	-0.281	15.945	16.111	26.296	2.272
2790	LACHS	870331	0.033	0.165	-0.023	-0.061	-0.033	1.121	1.543	0.241	0.079
			1.757	4.655	-0.492	-0.637	-0.413	18.048	16.044	13.328	3.434
2807	LACHS	870407	0.006	1.103	-0.005	-0.062	-0.007	1.205	2.254	0.682	0.680
			0.322	31.109	-0.115	-0.650	-0.087	19.393	23.442	37.789	29.572

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2519	LACHS	870106	0.029	0.057	0.029
			0.737	1.410	1.176
2556	LACHS	870120	0.035	0.135	0.058
			0.900	3.372	2.396
2570	LACHS	870113	0.009	0.023	0.004
			0.241	0.570	0.174
2583	LACHS	870127	0.044	0.087	0.067
			1.132	2.177	2.758
2604	LACHS	870203	0.016	0.001	0.005
			0.409	0.020	0.194
2631	LACHS	870210	0.010	0.075	0.011
			0.261	1.865	0.450
2652	LACHS	870217	0.018	0.150	0.010
			0.451	3.755	0.411
2670	LACHS	870224	0.091	0.063	0.042
			2.324	1.570	1.712
2696	LACHS	870302	0.011	0.006	0.010
			0.269	0.147	0.412
2732	LACHS	870310			
2752	LACHS	870317	0.076	0.238	0.041
			1.945	5.941	1.692
2762	LACHS	870324	0.085	0.356	0.028
			2.164	8.871	1.158
2790	LACHS	870331	0.025	0.219	0.019
			0.637	5.457	0.786
2807	LACHS	870407	0.122	0.284	0.097
			3.121	7.098	4.006

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2895	LACHS	870512		710	870519	725	870526	3	0.670	1195.500	25.900
2926	LACHS	870519		725	870526	840	870602	3	2.680	4565.000	21.200
2958	LACHS	870602		830	870609	720	870616	2		1041.500	26.500
2967	LACHS	870609		720	870616	840	870619	4	1.420	2540.000	10.000
3001	LACHS	870616		835	870623	715	870629	1	0.100	205.000	23.000
3030	LACHS	870623		715	870630	800	870707	1		1159.500	16.500
3051	LACHS	870630		800	870707	725	870713	3	0.430	689.500	8.600
3075	LACHS	870707		725	870714	925	870722	2	0.230	363.500	17.200
3099	LACHS	870721		845	870728	915	870803	1	0.400	658.500	15.500
3117	LACHS	870728		915	870804	840	870811	1	0.350	560.000	31.700
3128	LACHS	870804		845	870811	720	870814	3	0.830	1433.000	15.800
3154	LACHS	870811		720	870818	900	870825	1	0.210	354.000	5.100
3172	LACHS	870818		900	870825	750	870902	1	0.210	316.000	
3185	LACHS	870825		750	870901	800	870908	1	0.250	429.500	11.100
3233	LACHS	870908		845	870915	845	870922	2	0.370	650.500	30.700
3244	LACHS	870915		845	870922	900	870926	2	1.230	2135.500	7.800
3310	LACHS	871020	0.36	800	871027	855	871103	2	0.820	1395.500	10.800

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3331	LACHS	871103	0.38	1155	871110	920	871113	3	0.970	1614.500	12.600
3361	LACHS	871110	0.42	920	871117	945	871125	2	11.920	13759.000	6.800
3387	LACHS	871124	0.38	900	871201	925	871207	2	1.440	2520.000	6.100
3407	LACHS	871201	0.40	925	871208	825	871215	1	0.240	445.000	44.100
3414	LACHS	871208	0.38	825	871215	915	871217	2	0.580	951.500	17.800
3442	LACHS	871215	0.36	920	871222	930	880105	3	1.140	1855.500	10.200
3443	LACHS	871222	0.35	930	871229	1015	880105	2	2.370	4095.500	12.700
3513	LACHS	871229	2.36	1015	880105	1230	880121	4	0.820	1438.500	25.600

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2895	LACHS	870512	4.340	3.000	34.000	1.029	1.031	550.000	4.450	42.300	22.687
2926	LACHS	870519	4.410			0.973	0.997	550.000	4.520	37.300	18.059
2958	LACHS	870602	4.010	3.000	34.000	1.027	1.004	550.000	4.320	56.000	27.988
2967	LACHS	870609	4.310	3.000		0.974	1.075	550.000	4.830	19.800	9.458
3001	LACHS	870616	4.400	3.000	34.000	0.999	1.018	130.000	4.530	38.200	22.830
3030	LACHS	870623	4.410	3.000	33.000	1.020	1.105	550.000	4.500	37.500	14.872
3051	LACHS	870630	5.030	3.000	3334.000	0.866	1.055	330.000	5.490		8.530
3075	LACHS	870707	4.470	1.000	34.000	0.978	1.056	225.000	4.640	31.000	14.383
3099	LACHS	870721	4.440	3.000		1.032	1.174	450.000	4.600	30.100	11.388
3117	LACHS	870728	4.140	3.000	33.000	0.972	1.063	400.000	4.220	68.500	30.527
3128	LACHS	870804	4.480			1.100	1.096	550.000	4.570	32.900	14.680
3154	LACHS	870811	3.820	3.000		0.817	1.347	220.000	5.060	14.500	3.605
3172	LACHS	870818		3.000		1.014	1.070	225.000	4.550	35.700	17.491
3185	LACHS	870825	4.090	3.000		1.075	1.088	250.000	4.480	39.700	14.990
3233	LACHS	870908	4.100	3.000	34.000	1.019	0.994	440.000	4.250	66.900	29.539
3244	LACHS	870915	3.720	3.000		0.972	1.113	550.000	4.820	19.900	7.019
3310	LACHS	871020	4.520	3.000		0.952	1.156	525.000	4.770	23.611	8.594

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3331	LACHS	871103	4.670			1.055	1.076	550.000	4.790	22.200	10.161
3361	LACHS	871110	4.430	3.000		0.995	1.233	550.000	5.040	12.900	5.150
3387	LACHS	871124	4.730	3.000		0.977	1.181	525.000	4.890	16.200	7.098
3407	LACHS	871201	4.120	3.000		1.024	1.054	280.000	4.240	60.400	40.813
3414	LACHS	871208	4.430	3.000		0.975	1.077	485.000	4.810	16.800	14.488
3442	LACHS	871215	5.020			0.950	1.205	550.000	4.890	15.000	6.476
3443	LACHS	871222	4.640			0.995	1.116	550.000	4.830	20.300	10.642
3513	LACHS	871229	4.310			0.976	1.146	550.000	4.300	49.100	22.383

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2895	LACHS	870512	0.014	0.162	-0.002	0.075	-0.014	2.062	2.563	0.819	0.070
			0.719	4.577	-0.045	0.792	-0.180	33.202	26.657	45.358	3.061
2926	LACHS	870519	-0.027	0.150	-0.013	-0.055	-0.004	1.400	1.834	0.570	0.054
			-1.417	4.222	-0.288	-0.578	-0.047	22.544	19.072	31.589	2.350
2958	LACHS	870602	0.020	0.777	-0.007	-0.063	-0.005	2.152	2.372	0.347	0.503
			1.035	21.904	-0.158	-0.664	-0.057	34.647	24.664	19.226	21.891
2967	LACHS	870609	0.014	0.396	-0.006	-0.061	-0.005	0.898	0.802	0.189	0.236
			0.738	11.179	-0.136	-0.642	-0.059	14.457	8.341	10.480	10.254
3001	LACHS	870616	0.019	0.601	-0.003	0.049	-0.024	2.359	2.312	0.724	0.300
			1.018	16.954	-0.062	0.516	-0.306	37.979	24.046	40.095	13.053
3030	LACHS	870623	0.022	0.112	-0.003	0.080	-0.006	1.272	1.290	0.240	0.063
			1.177	3.159	-0.066	0.843	-0.075	20.476	13.413	13.283	2.728
3051	LACHS	870630	0.010	0.358	-0.005	0.069	-0.006	1.339	0.908	0.619	0.216
			0.531	10.106	-0.099	0.726	-0.072	21.558	9.440	34.294	9.400
3075	LACHS	870707	0.018	0.307	-0.011	-0.055	-0.016	1.744	1.140	0.435	0.178
			0.943	8.670	-0.245	-0.578	-0.204	28.081	11.861	24.107	7.737
3099	LACHS	870721	0.006	0.315	-0.005	-0.077	-0.009	0.945	1.028	0.153	0.167
			0.303	8.885	-0.103	-0.812	-0.110	15.219	10.687	8.465	7.261
3117	LACHS	870728	0.036	0.103	-0.001	-0.080	-0.009	1.550	3.668	0.641	0.030
			1.875	2.915	-0.021	-0.844	-0.107	24.962	38.144	35.503	1.304
3128	LACHS	870804	0.014	0.317	-0.011	0.094	-0.017	1.566	1.284	0.168	0.188
			0.763	8.951	-0.234	0.986	-0.213	25.216	13.350	9.314	8.163
3154	LACHS	870811	-0.006	0.033	-0.002	-0.081	-0.005	0.532	0.286	0.122	0.033
			-0.300	0.918	-0.044	-0.854	-0.061	8.571	2.970	6.757	1.420
3172	LACHS	870818	0.030	0.442	-0.003	-0.080	-0.009	2.197	1.481	0.093	0.318
			1.573	12.452	-0.068	-0.837	-0.108	35.368	15.404	5.178	13.853
3185	LACHS	870825	0.015	0.232	-0.005	-0.072	-0.009	1.350	1.122	0.052	0.143
			0.800	6.530	-0.105	-0.758	-0.115	21.731	11.668	2.864	6.221
3233	LACHS	870908	0.018	0.262	-0.001	-0.044	0.050	2.340	2.424	0.425	0.143
			0.944	7.400	-0.015	-0.462	0.625	37.675	25.205	23.525	6.234
3244	LACHS	870915	0.011	0.179	-0.002	-0.047	-0.013	0.460	0.588	0.071	0.112
			0.601	5.050	-0.036	-0.496	-0.168	7.413	6.113	3.929	4.861
3310	LACHS	871020	0.007	0.306	-0.002	-0.032	-0.031	0.723	0.767	0.127	0.217
			0.350	8.632	-0.042	-0.339	-0.383	11.634	7.977	7.040	9.455

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
3331	LACHS	871103	0.011	0.676	-0.002	-0.061	-0.010	0.719	0.799	0.141	0.349
			0.590	19.062	-0.054	-0.639	-0.222	11.583	8.310	7.794	15.164
3361	LACHS	871110	-0.003	0.398	-0.012	-0.065	-0.009	0.287	0.566	0.078	0.223
			-0.135	11.214	-0.263	-0.679	-0.114	4.620	5.884	4.299	9.716
3387	LACHS	871124	-0.006	0.440	-0.005	0.018	-0.022	0.491	0.651	0.107	0.258
			-0.294	12.398	-0.119	0.189	-0.275	7.907	6.769	5.935	11.209
3407	LACHS	871201	0.016	3.591	-0.004	-0.004	-0.006	2.931	2.574	0.328	2.107
			0.862	101.266	-0.083	-0.042	-0.079	47.186	26.774	18.195	91.670
3414	LACHS	871208	0.008	1.070	-0.003	-0.005	-0.007	0.685	1.876	0.388	0.656
			0.433	30.184	-0.070	-0.051	-0.093	11.024	19.511	21.494	28.548
3442	LACHS	871215	-0.014	0.277	-0.001	0.005	-0.004	0.564	0.603	0.104	0.164
			-0.725	7.825	-0.022	0.051	-0.050	9.075	6.267	5.738	7.146
3443	LACHS	871222	-0.015	1.032	-0.001	0.007	-0.004	0.531	0.918	0.142	0.584
			-0.776	29.106	-0.021	0.074	-0.045	8.552	9.549	7.863	25.421
3513	LACHS	871229	-0.002	0.785	-0.008	0.024	-0.027	1.444	1.753	0.175	0.437
			-0.087	22.137	-0.182	0.257	-0.335	23.256	18.232	9.697	19.017

ID	STN	BO	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2895	LACHS	870512	0.117	0.061	0.023
			2.990	1.526	0.950
2926	LACHS	870519	0.025	0.027	0.010
			0.651	0.684	0.417
2958	LACHS	870602	0.076	0.147	0.078
			1.932	3.655	3.190
2967	LACHS	870609	0.030	0.095	0.040
			0.767	2.377	1.652
3001	LACHS	870616	0.272	0.218	0.067
			6.954	5.439	2.765
3030	LACHS	870623	0.017	0.072	0.016
			0.432	1.807	0.664
3051	LACHS	870630	0.132	0.152	0.044
			3.378	3.794	1.796
3075	LACHS	870707	0.093	0.069	0.030
			2.385	1.709	1.239
3099	LACHS	870721	0.035	0.018	0.024
			0.887	0.450	0.981
3117	LACHS	870728	0.181	0.117	0.027
			4.640	2.922	1.093
3128	LACHS	870804	0.013	0.225	0.037
			0.326	5.603	1.520
3154	LACHS	870811	0.010	0.022	0.009
			0.262	0.550	0.360
3172	LACHS	870818	0.063	0.470	0.086
			1.602	11.721	3.549
3185	LACHS	870825	0.016	0.082	0.029
			0.417	2.050	1.186
3233	LACHS	870908	0.033	0.129	0.031
			0.854	3.218	1.262
3244	LACHS	870915	-0.002	0.024	0.012
			-0.044	0.606	0.513
3310	LACHS	871020	0.021	0.046	0.028
			0.544	1.150	1.137

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3331	LACHS	871103	0.030	0.027	0.052
			0.768	0.664	2.133
3361	LACHS	871110	0.020	0.032	0.031
			0.507	0.807	1.283
3387	LACHS	871124	0.017	0.038	0.036
			0.446	0.944	1.498
3407	LACHS	871201	0.096	0.154	0.257
			2.465	3.836	10.578
3414	LACHS	871208	0.079	0.167	0.086
			2.009	4.157	3.520
3442	LACHS	871215	0.016	0.064	0.023
			0.421	1.587	0.960
3443	LACHS	871222	0.042	0.051	0.069
			1.070	1.268	2.852
3513	LACHS	871229	0.026	0.027	0.053
			0.661	0.678	2.171

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2504	LAROS	870106		1450	870113	1050	870121	2	0.21	376.00	26.2
2558	LAROS	870113		1050	870120	1130	870203	5	2.35	4245.30	4.2
2559	LAROS	870120		1130	870127	925	870203	1	0.10	189.50	8.3
2626	LAROS	870203		1120	870210	950	870220	2	0.08	137.10	
2661	LAROS	870210		955	870217	1120	870304	1	0.90	1538.10	8.7
2662	LAROS	870217		1120	870224	1005	870304	4	2.41	4244.70	15.5
2693	LAROS	870224		1005	870304	1035	870318	4	3.50	5892.10	3.2
2708	LAROS	870304		1035	870310	1030	870320	2	0.33	558.80	9.6
2738	LAROS	870310		1030	870317	1025	870327	2	1.54	2600.70	16.5
2753	LAROS	870317		1025	870324	1035	870331	2	0.32	580.50	17.7
2791	LAROS	870324		1035	870331	1000	870414	1	0.03	51.90	
2792	LAROS	870331		1000	870407	915	870414	2	0.25	433.20	22.4
2834	LAROS	870407		915	870414	1100	870425		0.27	482.50	27.0

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ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2504	LAROS	870106	4.76			1.04	1.01	156.0	4.44	43.6	27.5
2558	LAROS	870113	4.76			0.93	1.38	550.0	5.08	11.9	3.3
2559	LAROS	870120	4.55	3		1.05	1.08	150.0	4.89	21.3	8.7
2626	LAROS	870203				1.05	1.04	137.0	4.27	59.5	28.3
2661	LAROS	870210	4.65			0.97	1.11	550.0	5.14	14.1	7.4
2662	LAROS	870217	4.39			1.09	1.07	550.0	4.54	37.8	14.8
2693	LAROS	870224	5.31			0.99	1.80	560.0	5.08	13.8	2.3
2708	LAROS	870304	4.69			1.06	1.24	400.0	4.76	19.8	8.0
2738	LAROS	870310	4.58	3		0.98	1.06	575.0	4.91	18.1	16.2
2753	LAROS	870317	4.64	3		0.95	1.03	450.0	4.88	18.0	17.2
2791	LAROS	870324		3		0.87	1.03	42.0	5.22		17.6
2792	LAROS	870331	4.41	3		1.00	1.07	300.0	4.60	31.8	20.6
2834	LAROS	870407	4.69			0.96	1.03	320.0	5.07	13.0	24.2

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2504	LAROS	870106	0.021	0.800	-0.044	0.027	-0.010	1.432	3.721	0.892	0.534
			1.094	22.558	-0.960	0.287	-0.128	23.053	38.694	49.412	23.211
2558	LAROS	870113	-0.003	0.029	-0.039	0.033	-0.039	0.247	0.435	0.105	0.022
			-0.150	0.829	-0.851	0.346	-0.485	3.974	4.523	5.801	0.973
2559	LAROS	870120	0.014	0.333	-0.043	0.032	-0.043	0.713	0.993	0.180	0.203
			0.753	9.391	-0.945	0.339	-0.535	11.476	10.323	9.969	8.822
2626	LAROS	870203	0.017	0.158	-0.005	0.033	-0.003	2.402	2.787	0.589	0.109
			0.917	4.446	-0.114	0.343	-0.039	38.665	28.988	32.634	4.759
2661	LAROS	870210	-0.003	0.620	-0.008	-0.036	-0.023	0.525	0.892	0.161	0.368
			-0.183	17.479	-0.174	-0.378	-0.291	8.457	9.280	8.902	16.019
2662	LAROS	870217	-0.003	0.192	-0.008	-0.038	0.032	0.678	1.909	0.198	0.093
			-0.181	5.410	-0.182	-0.397	0.402	10.916	19.849	10.958	4.052
2693	LAROS	870224	0.002	0.041	-0.002	0.078	-0.005	0.142	0.326	0.037	0.020
			0.128	1.155	-0.047	0.816	-0.065	2.288	3.392	2.039	0.855
2708	LAROS	870304	0.008	0.048	0.020	0.088	-0.008	0.879	0.852	0.268	0.020
			0.430	1.342	0.442	0.919	-0.098	14.152	8.865	14.868	0.858
2738	LAROS	870310	0.005	1.482	-0.005	0.056	-0.013	0.615	2.231	0.330	0.894
			0.252	41.797	-0.100	0.586	-0.167	9.906	23.197	18.286	38.910
2753	LAROS	870317	0.013	1.500	-0.009	-0.070	-0.008	0.840	2.085	0.481	0.902
			0.690	42.294	-0.195	-0.737	-0.098	13.520	21.680	26.636	39.249
2791	LAROS	870324	0.019	0.228	-0.023	-0.064	-0.031	1.832	3.492	0.638	0.175
			1.022	6.425	-0.495	-0.673	-0.389	29.490	36.321	35.372	7.611
2792	LAROS	870331	0.020	0.620	-0.047	0.061	-0.024	1.888	2.708	0.479	0.374
			1.044	17.472	-1.021	0.639	-0.306	30.403	28.167	26.558	16.282
2834	LAROS	870407	0.013	2.147	-0.007	-0.058	-0.009	1.395	3.646	1.026	1.348
			0.664	60.545	-0.161	-0.611	-0.108	22.464	37.915	56.849	58.642

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2504	LAROS	870106	0.051	0.107	0.065
			1.300	2.678	2.660
2558	LAROS	870113	0.005	0.014	0.002
			0.141	0.349	0.097
2559	LAROS	870120	0.025	0.124	0.032
			0.645	3.092	1.331
2626	LAROS	870203	0.029	0.100	0.021
			0.745	2.501	0.877
2661	LAROS	870210	0.035	0.176	0.049
			0.896	4.379	2.011
2662	LAROS	870217	0.022	0.123	0.016
			0.557	3.063	0.643
2693	LAROS	870224	0.006	0.023	0.005
			0.161	0.579	0.226
2708	LAROS	870304	0.009	0.022	0.006
			0.238	0.549	0.246
2738	LAROS	870310	0.081	0.423	0.114
			2.065	10.547	4.673
2753	LAROS	870317	0.087	0.286	0.118
			2.226	7.134	4.863
2791	LAROS	870324	0.156	1.349	0.067
			3.994	33.649	2.747
2792	LAROS	870331	0.080	0.619	0.076
			2.057	15.437	3.146
2834	LAROS	870407	0.119	0.514	0.165
			3.041	12.834	6.770

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2881	LAROS	870428		1035	870505	900	870515	2	0.460	818.100	21.200
2889	LAROS	870505		900	870512	900	870519	4	1.480	2518.700	52.300
2896	LAROS	870512		900	870519	1055	870526	3	1.700	3005.100	15.700
2931	LAROS	870519		1055	870526	1250	870605	1	0.830	1460.200	14.100
2942	LAROS	870526		1250	870602	1050	870609	4	0.340	614.900	20.500
2968	LAROS	870602		1050	870609	1212	870619	2	1.380	2568.500	8.700
2992	LAROS	870609		1215	870616	1130	870626	6	4.660	7554.000	7.500
3022	LAROS	870616		1130	870623	1040	870706	3	0.660	1163.000	13.900
3031	LAROS	870623		940	870630	830	870707	3	0.550	1000.000	20.600
3052	LAROS	870630		830	870707	1210	870713	3	2.280	3732.400	6.500
3076	LAROS	870707		1210	870715	1420	870722	5	1.730	3026.000	9.000
3086	LAROS	870715		1420	870721	820	870727	1	0.150	265.400	49.500
3100	LAROS	870721		820	870728	1035	870803	4	0.610	1097.400	33.600
3137	LAROS	870804		1020	870811	1400	870818	3	2.010	3712.800	2.500
3203	LAROS	870825		1015	870901	1045	870914	3	2.400	4179.000	16.200
3216	LAROS	870909		1145	870915	1320	870918	5	1.550	2672.400	15.300
3240	LAROS	870915		1320	870922	1105	870925	2	2.860	4967.000	3.300

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3341	LAROS	871103	0.42	1035	871110	1100	871117	3	0.710	1043.700	17.300
3362	LAROS	871020	0.65	1140	871027	1140	871125	2	1.120	1929.400	13.100
3363	LAROS	871110	0.43	1100	871117	1005	871125	2	5.060	8653.300	9.600
3484	LAROS	871215	0.54	1205	871222	1430	880112	5	2.540	4169.000	6.300

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2881	LAROS	870428	4.500	3.000		0.789	0.968	550.000	5.510	15.600	13.409
2889	LAROS	870505	3.950	3.000		1.060	0.955	550.000	3.980	121.800	57.692
2896	LAROS	870512	4.500	3.000		1.024	1.049	550.000	4.530	36.000	14.776
2931	LAROS	870519	4.620			0.951	1.039	550.000	4.610	30.900	13.309
2942	LAROS	870526	4.650	3.000		0.989	1.019	330.000	4.720	25.600	19.126
2968	LAROS	870602	4.700			1.000	1.087	550.000	4.800	22.500	8.058
2992	LAROS	870609	4.890			0.957	1.143	550.000	4.850	18.700	7.672
3022	LAROS	870616	4.510	3.000		1.027	1.032	550.000	4.510	36.600	15.678
3031	LAROS	870623	4.440			1.020	1.027	550.000	4.410	45.100	21.929
3052	LAROS	870630	4.910	3.000		0.974	1.128	550.000	4.950	16.300	5.605
3076	LAROS	870707	4.750			0.959	1.225	550.000	4.740	22.700	8.828
3086	LAROS	870715	3.970	3.000		1.070	1.022	120.000	3.970	123.300	51.642
3100	LAROS	870721	4.120	3.000		0.986	1.062	550.000	4.150	81.800	32.960
3137	LAROS	870804	5.300			0.777	1.828	550.000	5.340	9.600	1.365
3203	LAROS	870825	4.400			1.056	1.107	550.000	4.430	46.600	16.408
3216	LAROS	870909	4.460			1.001	1.064	550.000	4.470	40.700	15.744
3240	LAROS	870915	4.920			1.086	1.088	550.000	5.180	14.000	3.564

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3341	LAROS	871103	4.260			1.015	1.084	550.000	4.530	35.200	17.310
3362	LAROS	871020	4.460	3.000		1.020	1.132	550.000	4.620	29.900	13.213
3363	LAROS	871110	4.660			0.997	1.120	550.000	4.910	19.100	9.554
3484	LAROS	871215	4.770			0.946	1.367	550.000	5.010	12.900	4.061

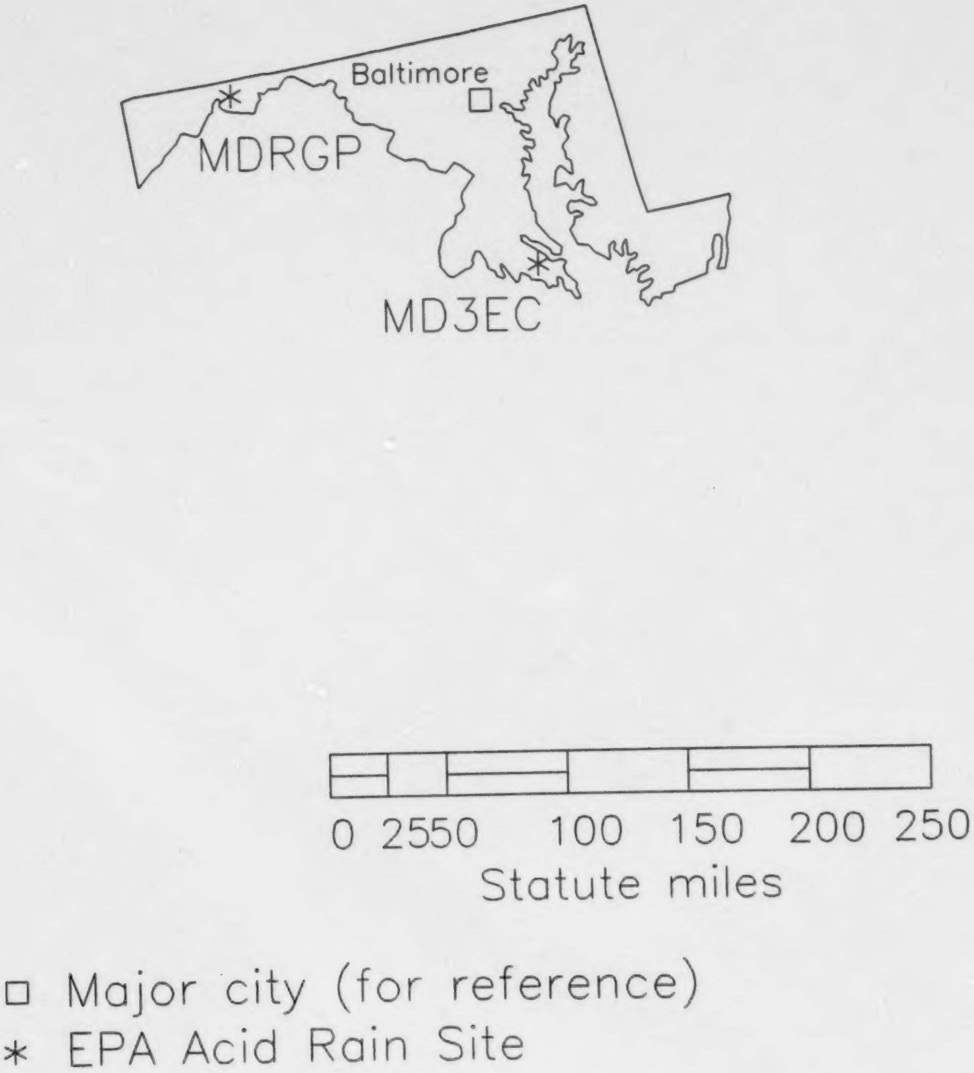
ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2881	LAROS	870428	0.012	0.424	-0.029	0.048	-0.073	1.727	1.524	1.306	0.169
			0.645	11.954	-0.631	0.500	-0.911	27.801	15.849	72.338	7.352
2889	LAROS	870505	0.021	0.280	-0.033	0.037	-0.063	2.890	6.105	0.870	0.119
			1.111	7.895	-0.713	0.384	-0.791	46.529	63.487	48.176	5.188
2896	LAROS	870512	0.016	0.113	-0.004	0.060	-0.015	1.173	1.266	0.285	0.044
			0.836	3.173	-0.077	0.630	-0.182	18.879	13.170	15.767	1.911
2931	LAROS	870519	0.020	0.155	-0.006	-0.049	-0.005	1.116	1.163	0.318	0.068
			1.045	4.376	-0.122	-0.513	-0.068	17.965	12.099	17.626	2.975
2942	LAROS	870526	0.024	1.750	-0.007	-0.056	-0.005	1.632	1.316	0.405	1.017
			1.271	49.336	-0.150	-0.588	-0.062	26.271	13.685	22.464	44.254
2968	LAROS	870602	0.012	0.226	-0.006	-0.061	-0.005	0.672	0.633	0.120	0.141
			0.626	6.379	-0.134	-0.640	-0.059	10.817	6.585	6.647	6.121
2992	LAROS	870609	0.007	0.397	-0.004	-0.042	-0.023	0.515	0.689	0.110	0.233
			0.392	11.199	-0.082	-0.443	-0.286	8.295	7.168	6.074	10.138
3022	LAROS	870616	0.016	0.373	-0.004	-0.018	-0.007	1.417	1.015	0.088	0.237
			0.857	10.531	-0.090	-0.191	-0.084	22.806	10.560	4.848	10.298
3031	LAROS	870623	0.028	0.321	-0.003	0.054	-0.006	2.238	1.699	0.398	0.159
			1.492	9.066	-0.064	0.569	-0.074	36.027	17.674	22.024	6.905
3052	LAROS	870630	0.006	0.200	-0.005	-0.060	-0.006	0.523	0.408	0.053	0.122
			0.326	5.638	-0.102	-0.629	-0.072	8.426	4.248	2.954	5.288
3076	LAROS	870707	0.007	0.492	-0.012	-0.057	-0.016	0.775	0.683	0.100	0.266
			0.376	13.876	-0.259	-0.598	-0.197	12.478	7.107	5.549	11.590
3086	LAROS	870715	0.032	0.396	-0.010	-0.070	-0.012	4.313	4.057	0.376	0.162
			1.691	11.154	-0.223	-0.731	-0.145	69.439	42.192	20.855	7.047
3100	LAROS	870721	0.027	0.217	-0.004	-0.078	-0.009	1.972	3.182	0.382	0.146
			1.423	6.129	-0.096	-0.817	-0.108	31.742	33.096	21.139	6.340
3137	LAROS	870804	-0.002	0.119	-0.030	-0.081	-0.015	0.131	0.115	0.017	0.068
			-0.113	3.369	-0.656	-0.854	-0.184	2.109	1.196	0.964	2.973
3203	LAROS	870825	0.013	0.096	-0.006	-0.066	-0.016	1.161	1.608	0.215	0.034
			0.665	2.713	-0.123	-0.696	-0.198	18.686	16.725	11.897	1.469
3216	LAROS	870909	0.007	0.169	-0.000	-0.066	-0.009	1.011	1.426	0.181	0.082
			0.388	4.767	-0.010	-0.695	-0.114	16.284	14.829	10.045	3.587
3240	LAROS	870915	-0.001	0.179	-0.001	-0.045	-0.011	0.211	0.324	0.044	0.100
			-0.049	5.043	-0.031	-0.470	-0.140	3.403	3.370	2.440	4.370

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3341	LAROS	871103	0.011	1.101	-0.002	-0.071	0.076	0.884	1.482	0.187	0.604
			0.569	31.037	-0.053	-0.750	0.946	14.229	15.415	10.365	26.284
3362	LAROS	871020	-0.003	0.554	-0.011	-0.058	-0.009	0.774	1.509	0.236	0.317
			-0.143	15.622	-0.240	-0.612	-0.112	12.462	15.689	13.058	13.786
3363	LAROS	871110	-0.003	1.015	-0.011	-0.055	-0.009	0.365	0.916	0.136	0.556
			-0.146	28.631	-0.241	-0.579	-0.111	5.871	9.530	7.522	24.188
3484	LAROS	871215	-0.002	0.198	-0.002	0.019	-0.005	0.205	0.483	0.083	0.106
			-0.082	5.582	-0.038	0.199	-0.061	3.304	5.027	4.606	4.590

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2881	LAROS	870428	0.141	0.093	0.028
			3.599	2.319	1.140
2889	LAROS	870505	0.062	0.226	0.041
			1.593	5.643	1.697
2896	LAROS	870512	0.030	0.031	0.009
			0.775	0.775	0.357
2931	LAROS	870519	0.025	0.072	0.011
			0.631	1.801	0.457
2942	LAROS	870526	0.057	0.158	0.127
			1.445	3.931	5.244
2968	LAROS	870602	0.012	0.015	0.018
			0.295	0.378	0.734
2992	LAROS	870609	0.014	0.051	0.032
			0.364	1.281	1.315
3022	LAROS	870616	0.017	0.098	0.034
			0.432	2.455	1.397
3031	LAROS	870623	0.014	0.235	0.030
			0.361	5.858	1.230
3052	LAROS	870630	0.005	0.053	0.017
			0.128	1.320	0.695
3076	LAROS	870707	0.010	0.080	0.040
			0.251	2.003	1.638
3086	LAROS	870715	0.019	0.363	0.038
			0.494	9.065	1.549
3100	LAROS	870721	0.123	0.093	0.019
			3.145	2.326	0.798
3137	LAROS	870804	-0.002	0.020	0.008
			-0.058	0.506	0.326
3203	LAROS	870825	0.004	0.035	0.007
			0.094	0.865	0.302
3216	LAROS	870909	0.002	0.055	0.013
			0.040	1.361	0.546
3240	LAROS	870915	-0.002	-0.007	0.008
			-0.043	-0.170	0.315

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3341	LAROS	871103	0.052	0.054	0.080
			1.341	1.339	3.288
3362	LAROS	871020	0.032	0.067	0.043
			0.828	1.670	1.761
3363	LAROS	871110	0.030	0.063	0.072
			0.771	1.564	2.964
3484	LAROS	871215	0.011	0.012	0.011
			0.271	0.288	0.466

Maryland


Baltimore
MDRGP
MD3EC
0 2550 100 150 200 250
Statute miles
□ Major city (for reference)
∗ EPA Acid Rain Site

MARYLAND

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
MDHUR	Hurlock	Hurlock	Dorchester	27 MAR 84	1 AUG 84	---	---
MDRGP	Rocky Gap	Cumberland	Allegany			44	100
MD3EC	The Elms	Lexington Pk	St Marys			37	97.3

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: MDRGP

Data Plots, Jan '87 - Dec '87

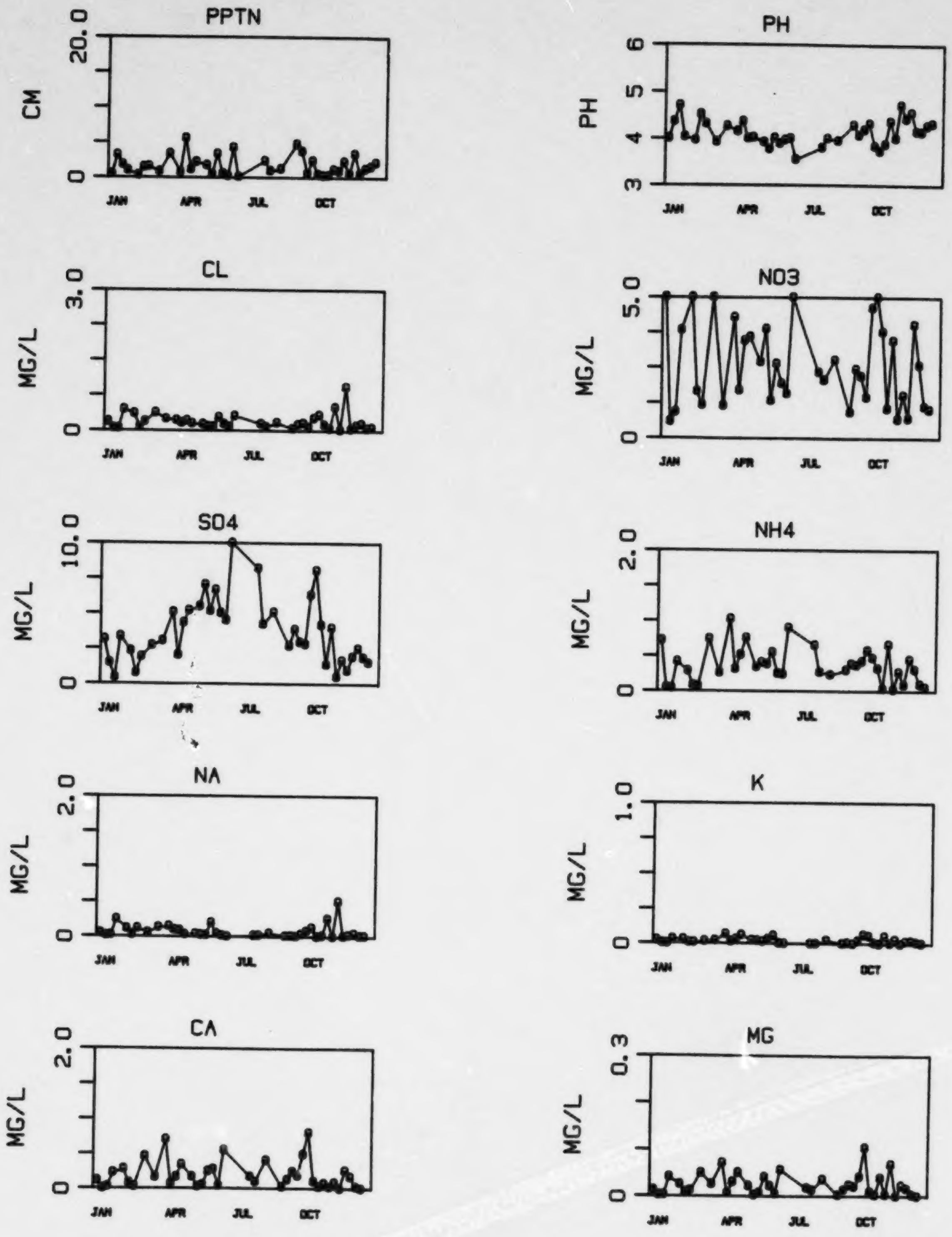
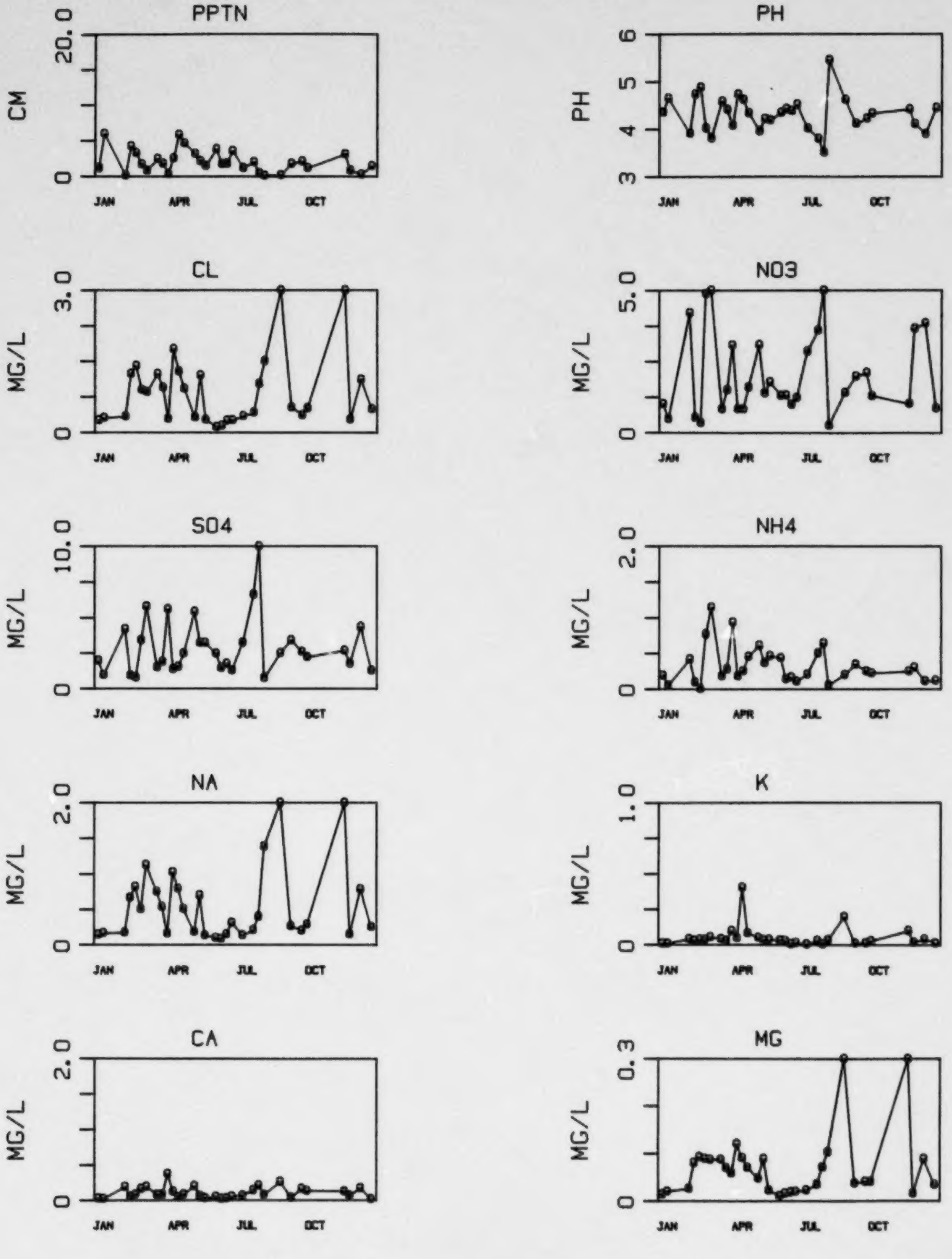


Figure 2-1 (continued)

SITE: MD3EC

Data Plots, Jan '87 - Dec '87



PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2501	MDRGP	870106	1.00	930	870113	930	870120	1	0.17	347.00	48.4
2536	MDRGP	870113	2.00	930	870120	930	870127	1	1.26	2146.00	16.1
2562	MDRGP	870120	1.00	930	870127	930	870204			1212.00	8.8
2605	MDRGP	870127	2.00	930	870203	930	870217	2		643.00	44.4
2640	MDRGP	870210		930	870217	930	870225	1		188.00	51.9
2655	MDRGP	870217	1.00	930	870224	930	870303	2		974.00	14.1
2716	MDRGP	870310	2.00	930	870317	930	870325	2	0.32	451.00	63.6
2722	MDRGP	870224		930	870303	930	870325	1	0.61	1129.00	21.0
2773	MDRGP	870324		930	870331	930	870408	4	1.33	2572.00	27.1
2808	MDRGP	870407		930	870414	930	870420			528.00	49.4
2839	MDRGP	870414		930	870421	930	870430	4	2.19	3876.00	22.5

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2501	MDRGP	870106	3.88			1.05	0.97	260.0	4.00	110.7	51.0
2536	MDRGP	870113	4.24			1.00	1.12	575.0	4.36	49.0	16.6
2562	MDRGP	870120	4.57			1.08	1.16	550.0	4.70	25.4	7.8
2605	MDRGP	870127	3.89	3		1.04	1.04	550.0	4.03	98.0	44.6
2640	MDRGP	870210	3.80			1.04	0.98	120.0	3.96	120.9	52.7
2655	MDRGP	870217	4.31			1.08	1.15	550.0	4.51	37.5	12.7
2716	MDRGP	870310	3.75			1.13	0.93	351.0	3.92	143.3	66.8
2722	MDRGP	870224	4.10			1.11	1.10	575.0	4.31	54.7	20.5
2773	MDRGP	870324	4.08	3	2133	1.07	1.06	550.0	4.26	61.2	26.5
2808	MDRGP	870407	3.85	3		1.04	1.01	425.0	4.15	86.8	45.0
2839	MDRGP	870414	4.11			1.07	0.99	550.0	4.36	50.6	22.6

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2501	MDRGP	870106	0.019	0.183	-0.040	0.025	-0.010	5.135	3.123	0.714	0.043
			0.993	5.167	-0.865	0.265	-0.126	82.678	32.483	39.566	1.863
2536	MDRGP	870113	0.012	0.046	-0.006	0.034	0.347	0.575	1.448	0.046	0.011
			0.607	1.284	-0.127	0.362	4.347	9.254	15.059	2.545	0.479
2562	MDRGP	870120	0.012	0.042	-0.056	0.033	-0.055	0.922	0.397	0.034	0.016
			0.638	1.182	-1.224	0.345	-0.685	14.836	4.127	1.911	0.688
2605	MDRGP	870127	0.018	0.445	-0.010	0.047	-0.034	3.828	3.335	0.412	0.241
			0.955	12.552	-0.225	0.496	-0.424	61.625	34.683	22.827	10.500
2640	MDRGP	870210	0.034	0.354	-0.003	-0.037	0.027	5.702	2.293	0.280	0.109
			1.776	9.982	-0.063	-0.385	0.334	91.806	23.844	15.529	4.750
2655	MDRGP	870217	0.010	0.065	-0.005	-0.021	-0.023	1.652	0.736	0.080	0.022
			0.551	1.821	-0.107	-0.224	-0.285	26.603	7.657	4.407	0.970
2716	MDRGP	870310	0.017	0.377	-0.001	0.054	-0.011	9.000	2.696	0.740	0.055
			0.918	10.621	-0.019	0.571	-0.139	144.904	28.038	40.991	2.373
2722	MDRGP	870224	0.005	0.191	-0.001	0.080	-0.012	1.166	1.891	0.066	0.114
			0.273	5.381	-0.032	0.845	-0.156	18.772	19.665	3.675	4.944
2773	MDRGP	870324	0.013	0.246	-0.017	0.054	-0.036	1.144	3.034	0.259	0.128
			0.669	6.927	-0.364	0.570	-0.448	18.420	31.556	14.353	5.587
2808	MDRGP	870407	0.032	0.221	-0.005	-0.062	-0.007	4.288	5.079	1.020	0.145
			1.665	6.222	-0.117	-0.653	-0.082	69.044	52.817	56.515	6.298
2839	MDRGP	870414	0.008	0.159	-0.007	-0.059	-0.010	1.697	2.010	0.312	0.094
			0.431	4.485	-0.160	-0.614	-0.128	27.325	20.901	17.302	4.107

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2501	MDRGP	870106	0.021	0.109	0.013
			0.539	2.725	0.524
2536	MDRGP	870113	0.002	-0.022	0.003
			0.047	-0.557	0.105
2562	MDRGP	870120	-0.002	0.027	0.003
			-0.051	0.685	0.116
2605	MDRGP	870127	0.031	0.222	0.041
			0.792	5.545	1.678
2640	MDRGP	870210	0.028	0.273	0.025
			0.714	6.823	1.037
2655	MDRGP	870217	0.007	0.080	0.009
			0.173	1.988	0.356
2716	MDRGP	870310	0.015	0.457	0.050
			0.396	11.390	2.048
2722	MDRGP	870224	0.007	0.024	0.013
			0.187	0.601	0.521
2773	MDRGP	870324	0.020	0.160	0.026
			0.506	3.994	1.072
2808	MDRGP	870407	0.066	0.701	0.071
			1.694	17.487	2.921
2839	MDRGP	870414	0.013	0.068	0.008
			0.327	1.693	0.315

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2856	MDRGP	870421		930	870428	930	870507	2	0.440	864.000	48.700
2878	MDRGP	870428		930	870505	930	870513	3	0.870	1732.000	50.400
2904	MDRGP	870512		930	870519	930	870528	3	0.680	1365.000	57.200
2917	MDRGP	870519		930	870526	930	870601	1	0.170	330.000	78.000
2941	MDRGP	870526	20.00	930	870602	930	870609	1		2200.000	45.900
2969	MDRGP	870602		930	870609	930	870619	1	0.220	432.000	62.500
2970	MDRGP	870609		930	870616	930	870619	1	0.080	143.000	
3013	MDRGP	870616		930	870623	930	870630	4	1.670	2890.000	44.500
3023	MDRGP	870623		930	870630	930	870706	2		63.000	
3053	MDRGP	870630		930	870707	930	870713	3	1.350	2325.000	41.200
3119	MDRGP	870728		930	870804	930	870811	2	0.930	1574.000	75.200
3156	MDRGP	870804		930	870811	930	870825	2	0.370	555.000	46.500
3174	MDRGP	870818		930	870825	930	870902	1	0.480	829.000	51.600
3190	MDRGP	870825		930	870901	930	870910	3		559.000	93.600
3207	MDRGP	870901		930	870908	930	870915	4	1.980	3283.000	14.300
3223	MDRGP	870908		930	870915	930	870921	3		3227.000	25.300
3262	MDRGP	870915		930	870922	930	870929			2524.000	42.200

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3267	MDRGP	870922		930	870929	930	871006	1	0.230	405.000	32.700
3288	MDRGP	870929		930	871006	930	871019	3	0.940	1582.000	25.400
3290	MDRGP	871006		930	871013	930	871020	2	0.190	312.000	69.900
3301	MDRGP	871013		930	871020	930	871030	1	0.100	139.000	
3315	MDRGP	871020		930	871027	930	871104	1	0.120	205.000	57.800
3323	MDRGP	871027	3.00	930	871103	930	871110	1		770.000	
3342	MDRGP	871103	2.00	930	871110	930	871117	2	0.360	642.000	51.300
3371	MDRGP	871117	2.00	930	871124	930	871130	1		388.000	22.100
3379	MDRGP	871110	1.00	930	871117	930	871201	2	0.890	1316.000	8.400
3408	MDRGP	871124		930	871201	930	871215	3		2285.000	11.600
3409	MDRGP	871201		930	871208	930	871215	2	0.230	371.000	32.500
3444	MDRGP	871208	2.00	930	871215	930	880105	3	0.490	781.000	32.200
3445	MDRGP	871215		930	871222	930	880105	3	0.620	1296.000	22.500
3464	MDRGP	871222	2.00	930	871229	930	880107	4	0.850	2155.000	17.800

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2856	MDRGP	870421	3.970	3.000		1.070	0.958	550.000	4.000	113.200	51.326
2878	MDRGP	870428	4.010	3.000	33.000	1.074	0.950	550.000	4.020	109.700	53.265
2904	MDRGP	870512	3.890	3.000	33.000	1.084	0.953	550.000	3.920	138.200	58.917
2917	MDRGP	870519	3.750			1.093	0.957	250.000	3.770	184.700	80.177
2941	MDRGP	870526	4.000			1.080	0.971	550.000	4.010	111.300	47.199
2969	MDRGP	870602	3.770	3.000		1.049	0.972	250.000	3.890	146.800	64.730
2970	MDRGP	870609		3.000		1.003	0.936	130.000	3.970	123.200	53.377
3013	MDRGP	870616	3.940			1.080	0.994	550.000	4.000	112.000	45.605
3023	MDRGP	870623				1.118	0.918	50.000	3.550		145.994
3053	MDRGP	870630	3.940		34.000	1.037	1.006	550.000	4.060	99.600	41.932
3119	MDRGP	870728	3.730			1.050	1.007	550.000	3.800	173.000	74.165
3156	MDRGP	870804	3.910			1.035	0.966	525.000	4.000	113.300	47.218
3174	MDRGP	870818	3.880			1.043	1.047	550.000	3.950	120.800	50.837
3190	MDRGP	870825	3.620		34.000	1.073	0.996	525.000	3.680	223.000	95.548
3207	MDRGP	870901	4.470		34.000	1.046	1.157	525.000	4.550	33.000	12.212
3223	MDRGP	870908	4.190			1.051	1.061	550.000	4.290	58.800	23.235
3262	MDRGP	870915	3.960			1.104	0.984	550.000	4.070	98.900	41.678

ID	STN	BO	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3267	MDRGP	870922	4.030			1.047	1.010	250.000	4.190	76.200	32.076
3288	MDRGP	870929	4.250			1.016	1.036	550.000	4.320	56.500	24.634
3290	MDRGP	871006	3.830			1.040	0.966	130.000	3.840	160.000	73.180
3301	MDRGP	871013		3.000		1.072	0.967	135.000	3.730	210.000	94.152
3315	MDRGP	871020	3.810			0.991	1.055	75.000	3.880	148.600	55.782
3323	MDRGP	871027	4.290			1.089	1.113	550.000	4.370	50.400	16.862
3342	MDRGP	871103	3.810	3.000		1.012	0.971	475.000	4.010	110.700	50.718
3371	MDRGP	871117	4.290	3.000		1.034	1.037	250.000	4.430	42.800	21.457
3379	MDRGP	871110	4.560	3.000		1.054	1.198	550.000	4.720	24.400	7.057
3408	MDRGP	871124	4.570			1.002	1.250	550.000	4.560	31.600	9.894
3409	MDRGP	871201	4.190			1.001	1.058	190.000	4.160	74.000	32.891
3444	MDRGP	871208	4.170	3.000		1.010	1.109	550.000	4.140	76.200	31.160
3445	MDRGP	871215	4.280			1.009	1.144	550.000	4.280	56.100	20.274
3464	MDRGP	871222	4.380			1.033	1.168	550.000	4.330	49.400	17.373

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2856	MDRGP	870421	0.019	0.211	-0.007	-0.060	-0.015	3.459	4.334	0.515	0.089
			1.022	5.945	-0.157	-0.626	-0.193	55.688	45.071	28.512	3.883
2878	MDRGP	870428	0.021	0.146	-0.022	0.029	-0.068	3.596	5.189	0.755	0.030
			1.102	4.109	-0.483	0.308	-0.851	57.897	53.966	41.802	1.325
2904	MDRGP	870512	0.025	0.134	-0.008	-0.048	-0.012	2.704	5.490	0.340	0.036
			1.293	3.767	-0.170	-0.499	-0.152	43.533	57.095	18.844	1.565
2917	MDRGP	870519	-0.041	0.087	-0.014	-0.058	-0.008	3.882	7.048	0.404	0.024
			-2.134	2.440	-0.309	-0.610	-0.106	62.507	73.294	22.384	1.037
2941	MDRGP	870526	0.022	0.084	-0.007	-0.055	-0.005	1.337	5.150	0.383	0.021
			1.158	2.356	-0.148	-0.582	-0.063	21.534	53.556	21.215	0.892
2969	MDRGP	870602	0.046	0.283	-0.006	-0.060	-0.005	2.645	6.670	0.550	0.195
			2.443	7.972	-0.125	-0.631	-0.060	42.577	69.364	30.495	8.472
2970	MDRGP	870609	-0.006	0.139	-0.006	-0.060	-0.005	1.941	5.007	0.251	0.043
			-0.294	3.907	-0.123	-0.629	-0.060	31.247	52.078	13.919	1.891
3013	MDRGP	870616	0.024	0.082	-0.004	0.069	-0.016	1.579	4.492	0.239	0.014
			1.263	2.311	-0.085	0.724	-0.195	25.414	46.720	13.257	0.598
3023	MDRGP	870623	0.086	0.311	-0.004	0.029	-0.007	6.248	13.890	0.899	0.003
			4.501	8.776	-0.087	0.300	-0.084	100.595	144.453	49.809	0.124
3053	MDRGP	870630	0.027	0.189	-0.005	-0.060	-0.006	1.842	4.342	0.317	0.080
			1.430	5.323	-0.106	-0.633	-0.073	29.653	45.161	17.548	3.461
3119	MDRGP	870728	0.032	0.145	-0.001	-0.080	-0.009	2.341	8.199	0.655	0.016
			1.692	4.088	-0.019	-0.843	-0.108	37.695	85.265	36.293	.716
3156	MDRGP	870804	0.027	0.081	-0.002	-0.084	-0.005	2.058	4.228	0.271	0.018
			1.397	2.293	-0.035	-0.879	-0.064	33.135	43.976	15.014	0.795
3174	MDRGP	870818	0.026	0.168	-0.003	-0.079	-0.009	2.774	5.069	0.234	0.048
			1.358	4.740	-0.075	-0.824	-0.111	44.661	52.720	12.984	2.078
3190	MDRGP	870825	0.048	0.316	-0.005	-0.073	-0.009	4.410	8.760	0.438	0.039
			2.526	8.921	-0.116	-0.766	-0.114	70.995	91.101	24.265	1.714
3207	MDRGP	870901	0.010	0.381	-0.005	-0.069	-0.018	0.718	1.102	0.064	0.211
			0.541	10.743	-0.118	-0.720	-0.220	11.564	11.466	3.553	9.163
3223	MDRGP	870908	0.008	0.044	-0.001	-0.058	-0.008	0.920	2.693	0.298	0.008
			0.441	1.242	-0.012	-0.608	-0.099	14.812	28.006	16.486	0.341
3262	MDRGP	870915	0.020	0.129	-0.002	-0.090	0.099	2.455	3.865	0.389	0.014
			1.047	3.650	-0.042	-0.944	1.240	39.529	40.196	21.576	0.595

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3267	MDRGP	870922	0.021	0.159	0.018	-0.080	-0.009	2.199	2.947	0.365	0.004
			1.131	4.475	0.395	-0.844	-0.110	35.403	30.651	20.237	0.182
3288	MDRGP	870929	0.018	0.081	-0.057	-0.023	-0.033	1.452	2.804	0.420	0.038
			0.954	2.289	-1.238	-0.243	-0.413	23.378	29.165	23.284	1.632
3290	MDRGP	871006	0.053	0.267	-0.060	-0.020	-0.034	4.624	6.325	0.579	0.080
			2.800	7.518	-1.307	-0.213	-0.421	74.442	65.778	32.092	3.498
3301	MDRGP	871013	0.086	0.334	-0.002	-0.024	-0.035	6.422	8.057	0.473	0.127
			4.503	9.417	-0.043	-0.252	-0.444	103.398	83.792	26.187	5.538
3315	MDRGP	871020	0.035	0.129	-0.002	-0.037	-0.028	3.769	4.180	0.322	-0.004
			1.855	3.629	-0.042	-0.391	-0.347	60.676	43.476	17.813	-0.192
3323	MDRGP	871027	0.013	0.044	0.024	0.076	-0.026	1.057	1.371	0.035	0.017
			0.678	1.248	0.515	0.797	-0.322	17.010	14.258	1.917	0.721
3342	MDRGP	871103	0.037	0.504	-0.002	-0.072	-0.013	3.457	3.989	0.663	0.256
			1.948	14.205	-0.053	-0.757	-0.157	55.654	41.487	36.717	11.138
3371	MDRGP	871117	0.021	0.931	-0.006	0.026	-0.012	1.522	1.657	0.271	0.502
			1.096	26.263	-0.127	0.271	-0.150	24.507	17.230	15.009	21.831
3379	MDRGP	871110	-0.005	0.021	0.007	0.014	-0.017	0.671	0.515	0.022	0.000
			-0.265	0.598	0.146	0.144	-0.218	10.807	5.355	1.216	0.010
3408	MDRGP	871124	0.003	0.040	-0.004	0.010	-0.006	0.693	0.950	0.087	0.010
			0.170	1.132	-0.081	0.109	-0.081	11.157	9.877	4.805	0.418
3409	MDRGP	871201	0.020	0.112	0.011	-0.004	-0.007	4.034	1.933	0.449	0.023
			1.077	3.167	0.235	-0.044	-0.082	64.946	20.100	24.895	0.997
3444	MDRGP	871208	0.018	0.152	0.009	0.011	0.152	2.597	2.527	0.308	0.046
			0.970	4.273	0.194	0.113	1.908	41.812	26.286	17.076	2.005
3445	MDRGP	871215	-0.016	0.057	0.006	0.005	0.114	1.126	1.869	0.099	0.013
			-0.827	1.599	0.139	0.057	1.430	18.127	19.437	5.487	0.554
3464	MDRGP	871222	-0.008	0.075	-0.006	0.007	0.075	1.013	1.539	0.053	0.014
			-0.413	2.110	-0.133	0.076	0.941	16.312	16.010	2.934	0.607

ID	STN	BO	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2856	MDRGP	870421	0.030	0.163	0.031
			0.767	4.075	1.270
2878	MDRGP	870428	0.060	0.337	0.051
			1.531	8.407	2.078
2904	MDRGP	870512	0.023	0.165	0.022
			0.592	4.125	0.921
2917	MDRGP	870519	0.020	0.024	0.003
			0.515	0.603	0.112
2941	MDRGP	870526	0.013	0.050	0.008
			0.331	1.257	0.321
2969	MDRGP	870602	0.031	0.244	0.041
			0.783	6.089	1.691
2970	MDRGP	870609	0.055	0.275	0.022
			1.415	6.859	0.916
3013	MDRGP	870616	0.003	0.040	0.005
			0.088	0.986	0.222
3023	MDRGP	870623	-0.001	0.548	0.057
			-0.026	13.662	2.325
3053	MDRGP	870630	0.028	0.238	0.028
			0.723	5.934	1.166
3119	MDRGP	870728	-0.002	0.169	0.018
			-0.040	4.217	0.734
3156	MDRGP	870804	0.000	0.093	0.013
			0.008	2.316	0.551
3174	MDRGP	870818	0.024	0.403	0.036
			0.607	10.043	1.485
3190	MDRGP	870825	0.012	0.231	0.023
			0.313	5.755	0.943
3207	MDRGP	870901	-0.002	0.019	0.027
			-0.047	0.468	1.110
3223	MDRGP	870908	0.002	0.022	0.003
			0.048	0.547	0.117
3262	MDRGP	870915	0.009	0.125	0.013
			0.223	3.112	0.554

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3267	MDRGP	870922	-0.001	0.237	0.024
			-0.038	5.902	0.992
3288	MDRGP	870929	0.022	0.182	0.020
			0.562	4.546	0.840
3290	MDRGP	871006	0.063	0.486	0.041
			1.619	12.127	1.707
3301	MDRGP	871013	0.056	0.797	0.104
			1.442	19.891	4.272
3315	MDRGP	871020	0.009	0.103	0.010
			0.220	2.570	0.391
3323	MDRGP	871027	0.000	0.023	0.003
			0.008	0.586	0.105
3342	MDRGP	871103	0.054	0.076	0.039
			1.380	1.896	1.597
3371	MDRGP	871117	0.031	0.086	0.068
			0.783	2.153	2.784
3379	MDRGP	871110	0.004	0.021	0.004
			0.100	0.522	0.145
3408	MDRGP	871124	-0.002	-0.008	-0.001
			-0.058	-0.198	-0.056
3409	MDRGP	871201	0.018	0.257	0.022
			0.458	6.408	0.912
3444	MDRGP	871208	0.021	0.168	0.016
			0.537	4.179	0.677
3445	MDRGP	871215	0.013	0.024	0.003
			0.321	0.595	0.139
3464	MDRGP	871222	0.004	-0.017	-0.002
			0.113	-0.436	-0.078

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2505	MD3EC	870106	2.00	930	870113	945	870121	1	0.48	822.00	22.6
2545	MD3EC	870113		945	870120	940	870128	3	2.35	4047.00	11.3
2634	MD3EC	870210	2.00	935	870217	933	870224	1	0.05	98.00	
2653	MD3EC	870203	1.00	1005	870210	935	870303	2	0.17	314.00	50.8
2654	MD3EC	870217	2.00	933	870224	935	870303	2	1.66	2871.00	13.9
2709	MD3EC	870303	2.00	1150	870310	930	870320	3	0.67	1149.00	54.6
2721	MD3EC	870224		935	870303	1150	870325	2	1.27	2094.00	11.2
2733	MD3EC	870310		930	870317	935	870326	2	0.32	552.00	91.3
2765	MD3EC	870324		932	870331	935	870407	4	0.97	1771.00	17.0
2793	MD3EC	870331		935	870407	931	870414	3	0.71	1235.00	24.5
2809	MD3EC	870407		831	870414	842	870420	1	0.13	244.00	53.0
2838	MD3EC	870414		842	870421	838	870430	4	1.00	1716.00	17.5

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN ueqiv/l	COND umho/cm
2505	MD3EC	870106	4.26			1.04	1.05	500.0	4.36	50.1	20.3
2545	MD3EC	870113	4.64		33	1.12	1.11	550.0	4.65	28.1	10.2
2634	MD3EC	870210		3		1.01	0.98	90.0	3.91	138.1	59.3
2653	MD3EC	870203	3.97	3	99	9999.00	9999.00	165.0	3.99		
2654	MD3EC	870217	4.79		33	1.02	1.12	475.0	4.73	23.9	12.2
2709	MD3EC	870303	3.99	3	21	1.00	1.04	475.0	4.02	98.3	49.2
2721	MD3EC	870224	4.97			1.03	1.13	540.0	4.88	17.3	10.5
2733	MD3EC	870310	3.82	3		1.10	0.99	325.0	3.81	171.8	85.8
2765	MD3EC	870324	4.52			1.01	1.09	500.0	4.58	30.8	16.9
2793	MD3EC	870331	4.32		33	1.06	1.06	500.0	4.41	44.1	22.2
2809	MD3EC	870407	4.01	3		1.06	0.98	90.0	4.08	100.6	48.7
2838	MD3EC	870414	4.66	3		1.02	1.02	525.0	4.73	23.7	17.1

ID	STN	BC	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2505	MD3EC	870106	-0.001	0.259	-0.046	0.033	-0.010	1.010	1.960	0.191	0.143
			-0.074	7.299	-1.008	0.348	-0.130	16.255	20.388	10.585	6.239
2545	MD3EC	870113	0.009	0.307	-0.005	0.045	0.082	0.479	0.958	0.049	0.166
			0.453	8.665	-0.118	0.473	1.024	7.707	9.966	2.704	7.215
2634	MD3EC	870210	0.039	0.338	-0.004	-0.034	0.033	4.204	4.206	0.415	0.174
			2.055	9.537	-0.081	-0.359	0.410	67.690	43.743	22.998	7.554
2653	MD3EC	870203									
2654	MD3EC	870217	-0.004	1.234	-0.005	-0.019	0.045	0.534	0.932	0.093	0.667
			-0.199	34.792	-0.098	-0.204	0.563	8.605	9.691	5.134	29.014
2709	MD3EC	870303	0.016	0.897	-0.040	-0.052	-0.015	4.878	3.429	0.770	0.504
			0.835	25.292	-0.878	-0.544	-0.191	78.538	35.660	42.646	21.940
2721	MD3EC	870224	0.004	1.404	-0.001	0.055	-0.012	0.347	0.776	-0.006	0.821
			0.228	39.603	-0.029	0.578	-0.152	5.585	8.072	-0.352	35.709
2733	MD3EC	870310	0.022	0.855	-0.002	0.799	-0.014	8.694	5.796	1.143	1.126
			1.147	24.125	-0.049	8.392	-0.178	139.970	60.281	63.343	48.981
2765	MD3EC	870324	0.005	1.232	-0.014	0.069	-0.026	0.828	1.513	0.180	0.752
			0.266	34.735	-0.304	0.727	-0.329	13.334	15.738	9.957	32.693
2793	MD3EC	870331	0.006	0.947	-0.045	0.073	-0.024	1.504	1.883	0.280	0.536
			0.310	26.695	-0.983	0.766	-0.303	24.219	19.587	15.491	23.306
2809	MD3EC	870407	0.031	0.288	-0.006	-0.063	-0.006	3.079	5.603	0.931	0.159
			1.647	8.121	-0.121	-0.658	-0.072	49.570	58.266	51.589	6.935
2838	MD3EC	870414	0.005	1.765	-0.007	-0.058	-0.010	0.835	1.368	0.182	1.023
			0.277	49.765	-0.161	-0.614	-0.124	13.443	14.224	10.100	44.514

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2505	MD3EC	870106	0.009 0.239	0.027 0.682	0.014 0.578
2545	MD3EC	870113	0.009 0.237	0.023 0.580	0.020 0.830
2634	MD3EC	870210	0.040 1.020	0.188 4.683	0.026 1.074
2653	MD3EC	870203			
2654	MD3EC	870217	0.029 0.730	0.049 1.234	0.080 3.312
2709	MD3EC	870303	0.036 0.926	0.162 4.049	0.089 3.668
2721	MD3EC	870224	0.036 0.930	0.082 2.034	0.093 3.818
2733	MD3EC	870310	0.054 1.375	0.192 4.800	0.087 3.575
2765	MD3EC	870324	0.041 1.046	0.080 1.989	0.087 3.596
2793	MD3EC	870331	0.027 0.693	0.079 1.974	0.070 2.876
2809	MD3EC	870407	0.098 2.499	0.371 9.244	0.059 2.418
2838	MD3EC	870414	0.048 1.216	0.122 3.054	0.120 4.947

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2852	MD3EC	870421		838	870428	900	870505	3	2.290	3775.000	18.000
2877	MD3EC	870428		810	870505	845	870513	1	1.820	3119.000	27.600
2897	MD3EC	870512		840	870519	820	870527	3	1.240	2142.000	57.800
2927	MD3EC	870519		820	870526	843	870602	3	0.840	1398.000	35.100
2940	MD3EC	870526		843	870602	840	870609	2	0.580	995.000	36.800
2959	MD3EC	870602		920	870609	830	870616	2	0.520	921.000	25.100
2987	MD3EC	870609		830	870616	826	870625	3	1.500	2582.000	22.600
3002	MD3EC	870616		826	870623	829	870629	1	0.680	1207.000	18.100
3032	MD3EC	870623		829	870630	836	870707	1	0.700	1201.000	20.600
3061	MD3EC	870630		836	870707	831	870715	5	1.400	2510.000	15.600
3092	MD3EC	870714		840	870721	843	870728	1	0.460	785.000	44.500
3118	MD3EC	870728	0.51	842	870804	832	870811	2	0.790	1337.000	75.100
3138	MD3EC	870804	0.52	832	870811	841	870818	1	0.180	209.000	148.100
3155	MD3EC	870811	0.53	841	870818	837	870825	1	0.040	62.000	
3173	MD3EC	870818	0.51	837	870825	834	870902	2	0.160	286.000	83.400
3192	MD3EC	870825	0.52	834	870901	837	870910	2	0.200	349.000	58.900
3204	MD3EC	870901	0.51	837	870908	857	870914	3	0.070	135.000	

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3234	MD3EC	870908	0.52	857	870915	854	870922	3	2.540	4405.000	19.100
3261	MD3EC	870915	0.53	854	870922	857	870929	3	0.700	1221.000	40.700
3278	MD3EC	870929	0.51	842	871006	844	871014	2	0.830	1465.000	30.800
3287	MD3EC	871006	0.53	844	871013	831	871019	2	0.460	755.000	25.200
3399	MD3EC	871124		950	871201	938	871210			2112.000	38.400
3410	MD3EC	871201	3.00	938	871208	945	871215			547.000	15.500
3446	MD3EC	871215	10.50	942	871222	956	880105	4		174.000	61.300
3485	MD3EC	871229	3.49	958	880105	945	880112	1	0.570	1158.000	15.300

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2852	MD3EC	870421	4.630	3.000		0.888	1.085	475.000	4.620	29.500	17.182
2877	MD3EC	870428	4.280	3.000	33.000	0.993	0.984	520.000	4.340	54.500	27.868
2897	MD3EC	870512	3.920	3.000		1.053	0.999	490.000	3.960	120.800	55.072
2927	MD3EC	870519	4.100			1.015	0.983	525.000	4.220	69.000	34.559
2940	MD3EC	870526	4.150	3.000	33.000	1.050	1.013	500.000	4.190	73.800	32.309
2959	MD3EC	870602	4.490	3.000	34.000	1.082	0.989	450.000	4.430	41.800	23.803
2987	MD3EC	870609	4.270	3.000	33.000	1.047	1.071	525.000	4.350	50.000	22.212
3002	MD3EC	870616	4.360	3.000		1.127	1.028	500.000	4.430	43.700	17.645
3032	MD3EC	870623	4.280			1.047	1.054	525.000	4.390	46.900	18.948
3061	MD3EC	870630	4.400	3.000	33.000	1.127	1.054	450.000	4.520	38.100	15.510
3092	MD3EC	870714	3.890	3.000		1.064	1.045	300.000	4.020	109.500	41.978
3118	MD3EC	870728	3.760			1.022	1.012	525.000	3.800	170.700	73.042
3138	MD3EC	870804	3.450	3.000		1.080	0.954	125.000	3.510	347.600	149.104
3155	MD3EC	870811				1.035	1.218		5.450		9.364
3173	MD3EC	870818	3.700	3.000	34.000	1.076	1.012	100.000	3.800	173.500	71.079
3192	MD3EC	870825	3.910	3.000	34.000	1.046	1.008	150.000	3.950	123.800	57.678
3204	MD3EC	870901				1.033	1.052	130.000	4.620	29.100	47.857

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3234	MD3EC	870908	4.290		34.000	1.055	1.063	490.000	4.440	41.600	17.112
3261	MD3EC	870915	4.010			1.073	0.986	525.000	4.120	87.900	38.106
3278	MD3EC	870929	4.210			1.066	0.969	550.000	4.230	71.200	30.988
3287	MD3EC	871006	4.370	3.000		1.019	1.044	400.000	4.340	53.900	23.203
3399	MD3EC	871124	4.490			1.015	1.022	500.000	4.420	43.300	36.649
3410	MD3EC	871201	4.190			1.018	1.060	300.000	4.110	82.500	34.506
3446	MD3EC	871215	3.960	3.000		1.044	1.042	40.000	3.900		58.549
3485	MD3EC	871229	4.560	3.000		1.007	1.174	485.000	4.450	39.000	15.166

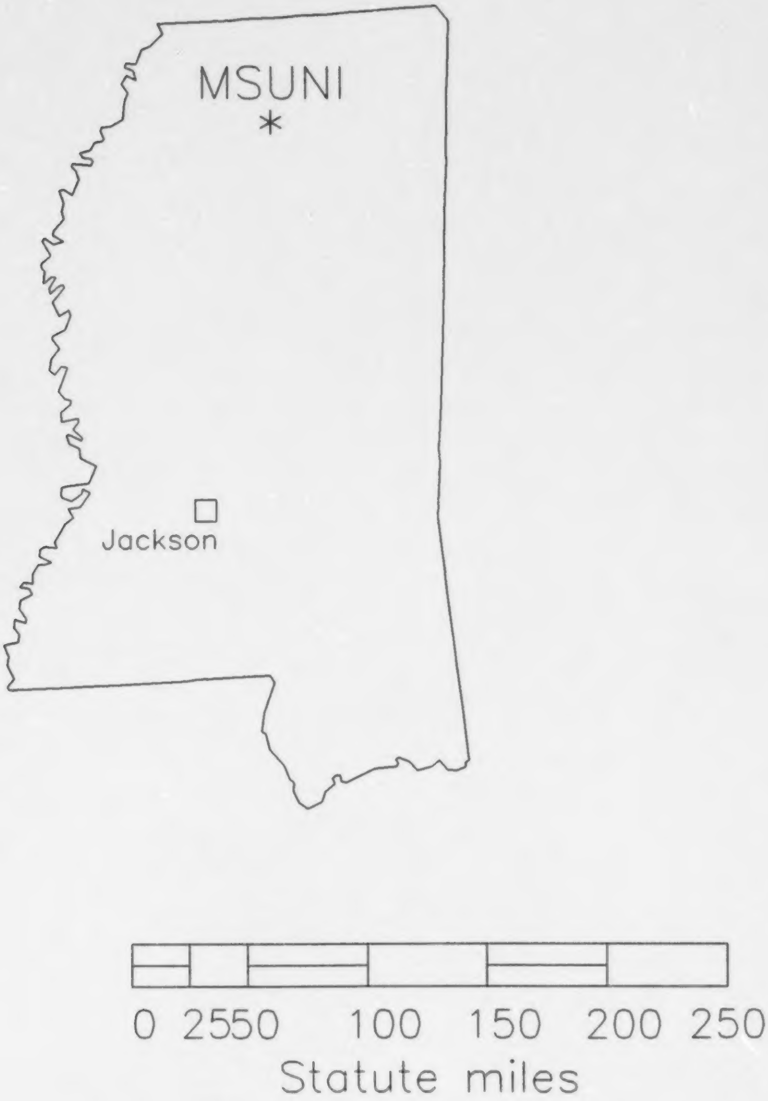
ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2852	MD3EC	870421	0.003	1.285	-0.007	-0.059	-0.015	0.828	1.549	0.255	0.794
			0.165	36.231	-0.158	-0.624	-0.185	13.327	16.107	14.146	34.530
2877	MD3EC	870428	0.010	0.923	-0.022	-0.028	-0.066	1.598	2.481	0.455	0.509
			0.542	26.038	-0.473	-0.298	-0.832	25.726	25.799	25.195	22.130
2897	MD3EC	870512	0.031	0.316	-0.004	0.044	-0.014	3.081	5.422	0.612	0.184
			1.610	8.925	-0.086	0.460	-0.179	49.610	56.386	33.881	8.009
2927	MD3EC	870519	-0.025	1.201	-0.013	-0.054	-0.004	1.396	3.219	0.367	0.699
			-1.338	33.880	-0.282	-0.572	-0.045	22.471	33.474	20.357	30.391
2940	MD3EC	870526	0.024	0.267	-0.007	-0.055	-0.005	1.781	3.223	0.464	0.133
			1.280	7.525	-0.146	-0.577	-0.063	28.670	33.521	25.695	5.769
2959	MD3EC	870602	0.013	0.748	-0.007	0.089	-0.005	1.680	2.187	0.432	0.442
			0.659	21.082	-0.156	0.934	-0.057	27.048	22.741	23.915	19.234
2987	MD3EC	870609	0.019	0.113	-0.004	0.116	-0.020	1.304	2.466	0.435	0.097
			1.024	3.175	-0.098	1.214	-0.248	20.997	25.643	24.095	4.230
3002	MD3EC	870616	0.014	0.138	-0.003	0.052	-0.024	1.318	1.455	0.141	0.085
			0.749	3.893	-0.063	0.550	-0.299	21.217	15.132	7.815	3.691
3032	MD3EC	870623	0.011	0.249	-0.003	0.055	-0.006	0.989	1.755	0.166	0.148
			0.563	7.021	-0.061	0.578	-0.073	15.924	18.249	9.187	6.450
3061	MD3EC	870630	0.015	0.258	-0.006	0.190	-0.006	1.232	1.283	0.105	0.312
			0.813	7.269	-0.137	1.990	-0.079	19.837	13.342	5.795	13.566
3092	MD3EC	870714	0.020	0.344	-0.008	-0.073	-0.010	2.863	3.253	0.206	0.134
			1.033	9.690	-0.170	-0.767	-0.129	46.100	33.828	11.439	5.822
3118	MD3EC	870728	0.036	0.419	-0.001	-0.080	-0.009	3.595	6.616	0.504	0.210
			1.904	11.827	-0.020	-0.844	-0.107	57.879	68.809	27.928	9.128
3138	MD3EC	870804	0.060	1.026	-0.033	-0.081	-0.016	6.998	12.537	0.645	0.400
			3.135	28.938	-0.724	-0.850	-0.197	112.665	130.379	35.738	17.400
3155	MD3EC	870811	0.017	1.505	-0.002	0.614	-0.005	0.253	0.762	0.053	1.382
			0.882	42.432	-0.041	6.447	-0.062	4.073	7.921	2.930	60.120
3173	MD3EC	870818	0.042	0.413	-0.003	-0.079	-0.009	4.404	7.708	0.436	0.190
			2.197	11.644	-0.071	-0.831	-0.110	70.902	80.164	24.146	8.281
3192	MD3EC	870825	0.038	0.506	-0.006	-0.073	-0.009	3.220	5.924	0.665	0.280
			1.980	14.274	-0.123	-0.772	-0.114	51.834	61.611	36.866	12.193
3204	MD3EC	870901	0.033	9.346	-0.006	-0.067	-0.016	1.409	2.505	0.200	5.320
			1.761	263.550	-0.122	-0.699	-0.201	22.681	26.051	11.097	231.416

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
3234	MD3EC	870908	0.006	0.302	-0.001	-0.041	-0.008	0.775	1.765	0.161	0.180
			0.292	8.512	-0.024	-0.434	-0.103	12.477	18.355	8.913	7.831
3261	MD3EC	870915	0.019	0.525	-0.002	-0.090	-0.003	1.981	3.422	0.344	0.263
			1.020	14.810	-0.042	-0.940	-0.036	31.891	35.585	19.076	11.444
3278	MD3EC	870929	0.016	0.364	-0.004	-0.079	-0.007	2.103	2.595	0.251	0.202
			0.823	10.272	-0.086	-0.830	-0.092	33.864	26.990	13.910	8.805
3287	MD3EC	871006	0.012	0.512	-0.055	-0.025	-0.033	1.289	2.221	0.220	0.286
			0.644	14.436	-1.203	-0.258	-0.408	20.755	23.104	12.201	12.442
3399	MD3EC	871124	-0.007	4.625	-0.031	0.014	0.084	1.013	2.678	0.250	2.601
			-0.371	130.419	-0.676	0.147	1.049	16.309	27.846	13.833	113.144
3410	MD3EC	871201	0.016	0.272	0.023	0.080	-0.007	3.654	1.764	0.302	0.151
			0.867	7.662	0.497	0.842	-0.084	58.836	18.347	16.736	6.560
3446	MD3EC	871215	0.023	1.114	-0.001	0.146	-0.003	3.841	4.352	0.112	0.783
			1.190	31.427	-0.019	1.532	-0.037	61.847	45.261	6.182	34.056
3485	MD3EC	871229	0.020	0.495	-0.002	0.021	0.083	0.862	1.281	0.119	0.256
			1.055	13.949	-0.038	0.222	1.034	13.875	13.326	6.600	11.115

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2852	MD3EC	870421	0.403	0.042	0.091
			10.296	1.052	3.727
2877	MD3EC	870428	0.082	0.085	0.070
			2.095	2.110	2.893
2897	MD3EC	870512	0.050	0.200	0.047
			1.274	4.982	1.949
2927	MD3EC	870519	0.034	0.057	0.089
			0.873	1.431	3.652
2940	MD3EC	870526	0.037	0.028	0.022
			0.935	0.709	0.914
2959	MD3EC	870602	0.097	0.050	0.059
			2.475	1.240	2.426
2987	MD3EC	870609	0.032	0.046	0.011
			0.824	1.138	0.447
3002	MD3EC	870616	0.028	0.020	0.016
			0.717	0.488	0.649
3032	MD3EC	870623	0.006	0.027	0.018
			0.146	0.667	0.757
3061	MD3EC	870630	0.014	0.050	0.020
			0.361	1.246	0.824
3092	MD3EC	870714	0.004	0.066	0.022
			0.110	1.641	0.923
3118	MD3EC	870728	0.029	0.142	0.035
			0.752	3.537	1.435
3138	MD3EC	870804	0.005	0.210	0.071
			0.124	5.249	2.919
3155	MD3EC	870811	0.034	0.077	0.103
			0.879	1.928	4.227
3173	MD3EC	870818	0.036	0.623	0.077
			0.910	15.546	3.183
3192	MD3EC	870825	0.105	0.304	0.059
			2.696	7.586	2.425
3204	MD3EC	870901	0.197	0.263	0.544
			5.028	6.569	22.370

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
3234	MD3EC	870908	-0.002	0.012	0.020
			-0.039	0.304	0.839
3261	MD3EC	870915	0.013	0.036	0.037
			0.324	0.895	1.539
3278	MD3EC	870929	0.013	0.163	0.041
			0.328	4.063	1.674
3287	MD3EC	871006	0.028	0.133	0.040
			0.718	3.307	1.655
3399	MD3EC	871124	0.100	0.125	0.334
			2.554	3.114	13.747
3410	MD3EC	871201	0.018	0.065	0.016
			0.458	1.629	0.647
3446	MD3EC	871215	0.040	0.169	0.088
			1.015	4.228	3.627
3485	MD3EC	871229	0.013	0.016	0.034
			0.343	0.411	1.407

Mississippi


MSUNI
Jackson
0 2550 100 150 200 250
Statute miles

□ Major city (for reference)
* EPA Acid Rain Site

MISSISSIPPI

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
MSUNI	University	University	Lafayette			39	97.4

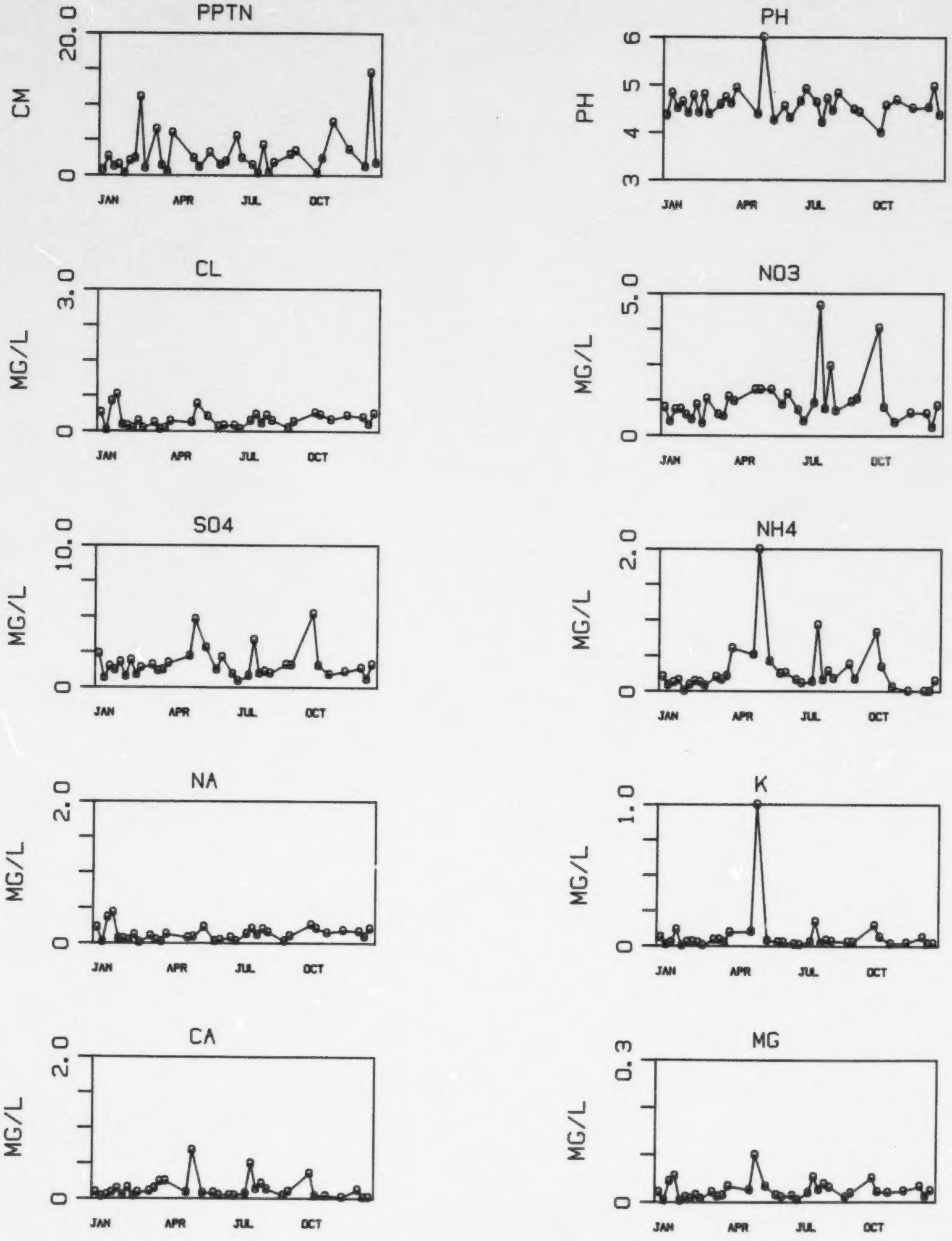
(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: MSUNI

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2502	MSUNI	870106	2.00	1000	870113	1000	870120	1	0.30	549.00	28.6
2551	MSUNI	870113	2.00	1000	870120	930	870129	2	1.05	1736.00	8.6
2571	MSUNI	870120	2.00	930	870127	930	870205	1	0.49	852.00	18.0
2596	MSUNI	870127		930	870203	930	870212	2	0.60	1056.00	17.0
2627	MSUNI	870203		930	870210	1000	870220	1	0.10	141.00	
2648	MSUNI	870210		930	870217	930	870227	2	0.80	1394.00	10.4
2656	MSUNI	870217		930	870224	930	870303	2	0.95	1657.00	20.9
2710	MSUNI	870224		930	870302	930	870320	3	4.35	7458.00	10.3
2717	MSUNI	870302		930	870310	930	870325	1	0.40	645.00	22.4
2743	MSUNI	870317		930	870324	930	870331	2	2.55	4378.00	15.0
2766	MSUNI	870324	2.00	930	870331	930	870407	2	0.54	923.00	12.7
2794	MSUNI	870331	1.00	930	870407	930	870414	1	0.20	336.00	16.0
2810	MSUNI	870407		930	870414	930	870420	4	2.34	3948.00	13.5

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN ueqiv/l	COND umho/cm
2502	MSUNI	870106	4.36			1.07	1.02	450.0	4.36	51.0	22.4
2551	MSUNI	870113	4.86	3		1.03	1.24	550.0	4.82	19.5	6.0
2571	MSUNI	870120	4.53			1.06	1.03	550.0	4.50	37.2	17.0
2596	MSUNI	870127	4.68	3		1.04	1.10	550.0	4.64	27.2	13.7
2627	MSUNI	870203		3		1.07	1.10	140.0	4.40	43.8	16.8
2648	MSUNI	870210	4.79	3		0.99	1.17	550.0	4.77	19.8	7.5
2656	MSUNI	870217	4.46			1.03	1.11	550.0	4.41	45.2	17.2
2710	MSUNI	870224	4.71	3		0.98	1.21	560.0	4.79	20.1	7.4
2717	MSUNI	870302	4.34			1.08	1.15	565.0	4.38	45.3	16.7
2743	MSUNI	870317	4.60	3		1.08	1.12	575.0	4.58	32.9	13.1
2766	MSUNI	870324	4.70	3		1.05	1.18	450.0	4.73	21.3	9.2
2794	MSUNI	870331	4.64	3		1.02	1.05	300.0	4.60	31.7	13.6
2810	MSUNI	870407	4.90			0.94	1.08	550.0	4.93	19.0	11.7

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2502	MSUNI	870106	-0.001	0.386	-0.042	0.028	-0.010	0.988	2.360	0.203	0.219
			-0.078	10.887	-0.913	0.292	-0.127	15.907	24.548	11.232	9.525
2551	MSUNI	870113	-0.003	0.020	-0.005	0.033	-0.007	0.480	0.653	0.082	0.016
			-0.146	0.550	-0.114	0.348	-0.089	7.724	6.787	4.550	0.715
2571	MSUNI	870120	0.011	0.633	-0.108	0.027	-0.103	0.905	1.468	0.122	0.362
			0.556	17.850	-2.342	0.284	-1.287	14.576	15.264	6.742	15.745
2596	MSUNI	870127	0.010	0.775	-0.064	0.042	-0.061	0.926	1.203	0.153	0.430
			0.549	21.863	-1.390	0.443	-0.758	14.903	12.513	8.469	18.723
2627	MSUNI	870203	0.015	0.129	-0.005	-0.030	-0.003	0.724	1.772	-0.014	0.065
			0.766	3.632	-0.111	-0.316	-0.041	11.664	18.432	-0.784	2.813
2648	MSUNI	870210	-0.004	0.109	-0.003	-0.014	-0.023	0.555	0.753	0.086	0.059
			-0.205	3.074	-0.073	-0.147	-0.282	8.932	7.830	4.787	2.583
2656	MSUNI	870217	-0.004	0.065	-0.005	-0.023	-0.023	1.078	1.901	0.141	0.041
			-0.196	1.822	-0.115	-0.243	-0.286	17.349	19.766	7.832	1.785
2710	MSUNI	870224	0.003	0.209	-0.001	-0.049	-0.008	0.419	0.879	0.126	0.118
			0.137	5.899	-0.015	-0.519	-0.104	6.753	9.142	6.971	5.129
2717	MSUNI	870302	0.011	0.067	0.015	0.078	-0.011	1.292	1.390	0.076	0.012
			0.592	1.877	0.336	0.820	-0.142	20.805	14.452	4.190	0.502
2743	MSUNI	870317	0.005	0.182	-0.006	0.094	-0.012	0.743	1.582	0.201	0.102
			0.285	5.128	-0.128	0.987	-0.146	11.966	16.449	11.135	4.434
2766	MSUNI	870324	0.007	0.038	-0.014	0.131	-0.027	0.670	1.168	0.160	0.045
			0.353	1.077	-0.310	1.374	-0.341	10.792	12.146	8.862	1.978
2794	MSUNI	870331	0.010	0.064	-0.044	0.074	-0.024	1.370	1.234	0.213	0.022
			0.538	1.801	-0.946	0.773	-0.300	22.060	12.830	11.781	0.957
2810	MSUNI	870407	0.011	0.210	-0.032	0.072	-0.012	1.218	1.715	0.602	0.127
			0.559	5.913	-0.692	0.752	-0.152	19.612	17.833	33.329	5.504

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2502	MSUNI	870106	0.061 1.559	0.087 2.170	0.021 0.858
2551	MSUNI	870113	0.010 0.267	0.027 0.672	0.003 0.130
2571	MSUNI	870120	0.026 0.656	0.048 1.207	0.044 1.799
2596	MSUNI	870127	0.115 2.931	0.081 2.014	0.055 2.259
2627	MSUNI	870203	0.003 0.086	0.139 3.457	0.003 0.121
2648	MSUNI	870210	0.027 0.696	0.041 1.032	0.010 0.430
2656	MSUNI	870217	0.030 0.765	0.150 3.735	0.008 0.325
2710	MSUNI	870224	0.024 0.627	0.035 0.867	0.015 0.608
2717	MSUNI	870302	0.007 0.167	0.086 2.150	0.007 0.296
2743	MSUNI	870317	0.043 1.112	0.101 2.517	0.021 0.857
2766	MSUNI	870324	0.044 1.131	0.143 3.575	0.012 0.490
2794	MSUNI	870331	0.027 0.695	0.237 5.924	0.014 0.571
2810	MSUNI	870407	0.096 2.461	0.247 6.158	0.034 1.382

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2853	MSUNI	870421		930	870428	930	870505	1	0.050	112.000	
2861	MSUNI	870428		930	870505	930	870511	1	0.500	666.000	24.400
2884	MSUNI	870505		930	870512	930	870518	3	0.950	1717.000	23.300
2898	MSUNI	870512	10.00	930	870519	930	870527	2	0.450	692.000	27.400
2918	MSUNI	870519	20.00	930	870526	930	870601	2	0.950	1592.000	22.000
2943	MSUNI	870526		930	870602	930	870609	4	1.260	2165.000	30.500
2971	MSUNI	870609		930	870616	930	870619	3	0.570	991.000	15.200
3003	MSUNI	870616		930	870623	930	870629	5	0.750	1340.000	25.600
3033	MSUNI	870623	10.00	930	870630	930	870707	2	1.670	2838.000	16.700
3042	MSUNI	870630		930	870707	930	870711	6	2.150	3753.000	12.100
3077	MSUNI	870707		930	870714	930	870722	3	0.950	1670.000	6.700
3101	MSUNI	870721	0.50	930	870728	930	870803	3	0.570	971.000	12.900
3120	MSUNI	870728	0.50	930	870804	930	870811	1	0.100	171.000	
3133	MSUNI	870804	0.50	930	870811	930	870817	2	1.670	2758.000	12.700
3157	MSUNI	870811	0.50	930	870818	930	870825	1	0.150	273.000	19.800
3175	MSUNI	870818	0.50	930	870825	915	870902	1	0.700	1109.000	10.000
3224	MSUNI	870908	0.50	930	870915	930	870921	2	1.150	2000.000	10.200

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3245	MSUNI	870915	0.50	930	870922	930	870926	2	1.350	2121.000	20.600
3296	MSUNI	871013	0.50	930	871020	930	871027	1	0.120	192.000	64.000
3305	MSUNI	871020	0.50	930	871027	930	871102	1	0.930	1567.000	20.400
3343	MSUNI	871103	0.50	930	871110	930	871117	1	2.950	4941.000	11.900
3364	MSUNI	871110	0.50	930	871117	930	871125	1	2.000	3379.000	14.500
3411	MSUNI	871124	0.50	930	871201	930	871215	3	1.440	2435.000	16.200
3447	MSUNI	871215	20.50	930	871222	930	880105	1	0.500	840.000	16.700
3448	MSUNI	871222	0.50	930	871229	930	880105	4	5.700	9752.000	7.300
3476	MSUNI	871229	0.50	930	880105	930	880111	2	0.690	1151.000	21.800

ID	STN	DO	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2053	MSUNI	870421		3.000	99.000	9999.000	9999.000	110.000	5.690		
2061	MSUNI	870428	4.560	3.000	3234.000	0.908	1.030	500.000	4.930	19.800	16.492
2084	MSUNI	870505	4.500	3.000		0.971	1.070	550.000	4.380	46.300	21.713
2098	MSUNI	870512	5.300	13.000		0.514	0.933	550.000	6.500		39.446
2918	MSUNI	870519	4.450	3.000	32.000	0.992	1.031	550.000	4.450	42.500	19.277
2943	MSUNI	870526	4.270			1.005	1.044	550.000	4.250	66.900	28.180
2971	MSUNI	870609	4.580	3.000		0.964	1.087	550.000	4.550	32.100	13.516
3003	MSUNI	870616	4.230	3.000		1.036	1.029	550.000	4.300	58.400	23.509
3033	MSUNI	870623	4.580	3.000	34.000	0.988	1.050	550.000	4.520	37.100	14.507
3042	MSUNI	870630	4.680	3.000		0.994	1.109	550.000	4.650	26.800	10.478
3077	MSUNI	870707	4.960	3.000		0.858	1.341	550.000	4.910	16.000	4.733
3101	MSUNI	870721	4.730	3.000		1.014	1.165	550.000	4.630	28.900	10.686
3120	MSUNI	870728		3.000		1.012	1.008	150.000	4.210	73.100	38.899
3133	MSUNI	870804	4.810	3.000		0.966	1.107	550.000	4.710	24.600	10.205
3157	MSUNI	870811	4.630	3.000		1.008	1.066	225.000	4.460	43.200	18.710
3175	MSUNI	870818	4.700			0.998	1.128	550.000	4.820	20.400	8.871
3224	MSUNI	870908	4.600			0.961	1.072	550.000	4.490	39.000	16.095

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3245	MSUNI	870915	4.490			1.049	1.039	550.000	4.430	45.200	18.034
3296	MSUNI	871013	3.920	3.000		1.001	0.978	160.000	4.000	115.200	55.036
3305	MSUNI	871020	4.450	3.000		0.979	1.072	550.000	4.570	34.600	14.864
3343	MSUNI	871103	4.600	3.000		0.990	1.167	550.000	4.680	27.200	9.097
3364	MSUNI	871110	4.630	3.000	34.000	1.025	1.089	550.000	4.700	25.800	12.049
3411	MSUNI	871124	4.500			1.109	1.163	550.000	4.510	35.000	12.728
3447	MSUNI	871215	4.600	3.000	21.000	1.073	1.125	500.000	4.530	32.200	13.350
3448	MSUNI	871222	4.950	3.000		1.317	1.198	550.000	4.970	16.400	4.773
3476	MSUNI	871229	4.370			0.989	1.181	550.000	4.370	44.500	17.538

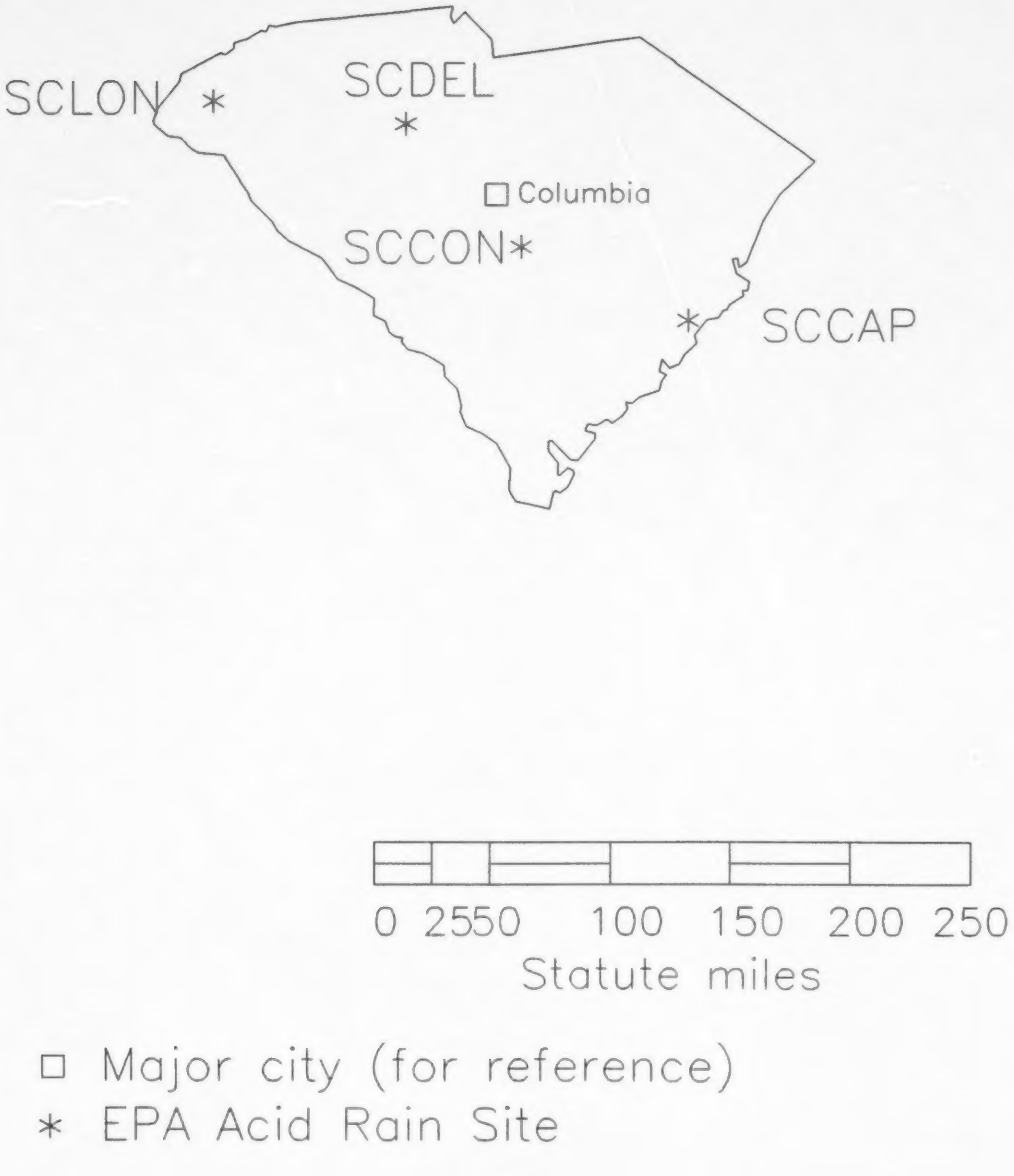
ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2853	MSUNI	870421									
2861	MSUNI	870428	0.012	0.361	-0.011	0.051	-0.032	2.308	1.958	1.088	0.146
			0.641	10.176	-0.248	0.540	-0.402	37.154	20.359	60.294	6.341
2884	MSUNI	870505	0.016	0.183	-0.030	0.049	-0.070	1.621	2.198	0.511	0.078
			0.823	5.149	-0.655	0.518	-0.875	26.104	22.864	28.304	3.389
2898	MSUNI	870512	0.020	0.573	-0.004	0.884	-0.014	1.620	4.780	4.428	0.086
			1.043	16.148	-0.095	9.285	-0.176	26.079	49.715	245.294	3.760
2918	MSUNI	870519	-0.042	0.142	-0.015	-0.059	-0.008	1.563	1.904	0.436	0.061
			-2.195	4.002	-0.318	-0.618	-0.103	25.157	19.805	24.160	2.671
2943	MSUNI	870526	0.031	0.307	-0.007	0.059	-0.005	1.622	2.801	0.418	0.228
			1.606	8.659	-0.155	0.615	-0.061	26.114	29.134	23.165	9.920
2971	MSUNI	870609	0.017	0.096	-0.006	-0.060	-0.005	1.091	1.231	0.248	0.027
			0.907	2.697	-0.120	-0.627	-0.061	17.572	12.799	13.718	1.157
3003	MSUNI	870616	0.016	0.115	-0.003	-0.020	-0.023	1.478	2.125	0.259	0.042
			0.864	3.239	-0.065	-0.207	-0.292	23.799	22.102	14.323	1.812
3033	MSUNI	870623	0.017	0.092	-0.003	-0.032	-0.006	1.099	1.253	0.193	0.049
			0.916	2.604	-0.059	-0.338	-0.072	17.688	13.036	10.680	2.145
3042	MSUNI	870630	0.008	0.115	-0.002	-0.054	-0.005	0.898	0.941	0.158	0.079
			0.414	3.238	-0.043	-0.564	-0.061	14.455	9.789	8.736	3.434
3077	MSUNI	870707	-0.007	0.047	-0.012	-0.058	0.035	0.509	0.442	0.115	0.030
			-0.355	1.325	-0.263	-0.605	0.439	8.191	4.595	6.382	1.287
3101	MSUNI	870721	0.015	0.220	-0.004	-0.078	-0.008	1.142	0.824	0.130	0.132
			0.776	6.197	-0.090	-0.821	-0.106	18.385	8.570	7.218	5.720
3120	MSUNI	870728	0.058	0.353	-0.001	-0.080	-0.009	4.574	3.338	0.926	0.203
			3.045	9.960	-0.019	-0.842	-0.109	73.638	34.720	51.284	8.840
3133	MSUNI	870804	0.015	0.168	-0.010	-0.078	-0.015	0.940	0.984	0.159	0.117
			0.786	4.731	-0.224	-0.824	-0.191	15.128	10.229	8.815	5.096
3157	MSUNI	870811	0.030	0.334	-0.001	-0.085	-0.005	2.454	1.136	0.283	0.202
			1.581	9.420	-0.032	-0.887	-0.065	39.511	11.817	15.690	8.797
3175	MSUNI	870818	0.012	0.221	-0.004	-0.078	-0.009	0.869	0.987	0.177	0.155
			0.605	6.231	-0.078	-0.818	-0.113	13.989	10.264	9.782	6.763
3224	MSUNI	870908	0.012	0.074	-0.001	-0.056	-0.008	1.193	1.620	0.379	0.028
			0.633	2.097	-0.012	-0.588	-0.096	19.211	16.852	21.022	1.207

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
3245	MSUNI	870915	0.014	0.201	-0.002	-0.048	-0.014	1.306	1.581	0.167	0.102
			0.721	5.672	-0.037	-0.501	-0.173	21.030	16.445	9.258	4.439
3296	MSUNI	871013	0.039	0.391	-0.055	-0.020	-0.033	3.777	5.165	0.821	0.258
			2.056	11.031	-1.201	-0.207	-0.413	60.813	53.718	45.473	11.222
3305	MSUNI	871020	0.012	0.347	-0.002	-0.028	-0.033	0.996	1.543	0.343	0.207
			0.613	9.777	-0.043	-0.296	-0.414	16.031	16.066	19.001	8.999
3343	MSUNI	871103	0.005	0.245	-0.002	-0.073	-0.012	0.460	0.927	0.060	0.146
			0.283	6.917	-0.053	-0.763	-0.154	7.407	9.640	3.316	6.354
3364	MSUNI	871110	-0.003	0.607	-0.010	-0.049	-0.009	0.752	1.256	0.124	0.357
			-0.154	17.106	-0.226	-0.512	-0.110	12.113	13.063	6.894	15.530
3411	MSUNI	871124	0.006	0.336	-0.004	0.005	-0.007	0.799	1.130	-0.148	0.180
			0.315	9.479	-0.076	0.054	-0.086	12.862	11.756	-8.191	7.829
3447	MSUNI	871215	-0.017	0.296	-0.002	0.015	-0.005	0.777	1.381	-0.075	0.166
			-0.890	8.361	-0.045	0.162	-0.059	12.518	14.367	-4.136	7.241
3448	MSUNI	871222	-0.016	0.155	-0.002	0.012	-0.005	0.297	0.600	-0.078	0.093
			-0.866	4.367	-0.050	0.130	-0.065	4.774	6.235	-4.319	4.037
3476	MSUNI	871229	-0.001	0.378	-0.004	0.014	-0.009	1.059	1.624	0.146	0.206
			-0.077	10.655	-0.089	0.148	-0.110	17.044	16.884	8.093	8.939

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2853	MSUNI	870421			
2861	MSUNI	870428	0.367	0.172	0.039
			9.398	4.286	1.592
2884	MSUNI	870505	0.101	0.083	0.025
			2.583	2.072	1.034
2898	MSUNI	870512	1.588	0.676	0.099
			40.618	16.867	4.089
2918	MSUNI	870519	0.088	0.069	0.020
			2.259	1.729	0.811
2943	MSUNI	870526	0.039	0.071	0.033
			0.996	1.773	1.353
2971	MSUNI	870609	0.027	0.077	0.015
			0.680	1.916	0.616
3003	MSUNI	870616	0.025	0.046	0.011
			0.650	1.151	0.434
3033	MSUNI	870623	0.064	0.048	0.013
			1.640	1.206	0.528
3042	MSUNI	870630	0.014	0.042	0.013
			0.361	1.052	0.550
3077	MSUNI	870707	0.010	0.037	0.005
			0.251	0.916	0.194
3101	MSUNI	870721	0.030	0.068	0.020
			0.770	1.687	0.813
3120	MSUNI	870728	0.172	0.488	0.053
			4.399	12.183	2.160
3133	MSUNI	870804	0.021	0.134	0.026
			0.547	3.334	1.068
3157	MSUNI	870811	0.042	0.210	0.038
			1.086	5.247	1.573
3175	MSUNI	870818	0.035	0.130	0.031
			0.896	3.234	1.267
3224	MSUNI	870908	0.029	0.041	0.010
			0.749	1.021	0.414

ID	STN	DD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
3245	MSUNI	870915	0.029	0.095	0.018
			0.744	2.376	0.758
3296	MSUNI	871013	0.146	0.354	0.050
			3.735	8.829	2.066
3305	MSUNI	871020	0.066	0.035	0.021
			1.679	0.862	0.865
3343	MSUNI	871103	0.018	0.036	0.020
			0.463	0.887	0.810
3364	MSUNI	871110	0.040	0.129	0.053
			1.020	3.224	2.170
3411	MSUNI	871124	0.024	0.017	0.023
			0.626	0.420	0.940
3447	MSUNI	871215	0.064	0.119	0.032
			1.628	2.981	1.327
3448	MSUNI	871222	0.018	0.013	0.011
			0.451	0.332	0.473
3476	MSUNI	871229	0.021	0.017	0.024
			0.526	0.435	0.972

South Carolina


SCLON
SCDEL
Columbia
SCCON
SCCAP
0 2550 100 150 200 250
Statute miles
□ Major city (for reference)
* EPA Acid Rain Site

SOUTH CAROLINA

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
SCCAP	Cape Romain	Mt Pleasant	Charleston			42	95.2
SCCON	Congaree Swamp	Hopkins	Richland			40	97.5
SCDEL	Delta	Whitmore	Union			41	87.5
SCLON	Lng Crk Fire Twr	Walhalla	Oconee			37	94.5

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: SCCAP

Data Plots, Jan '87 - Dec '87

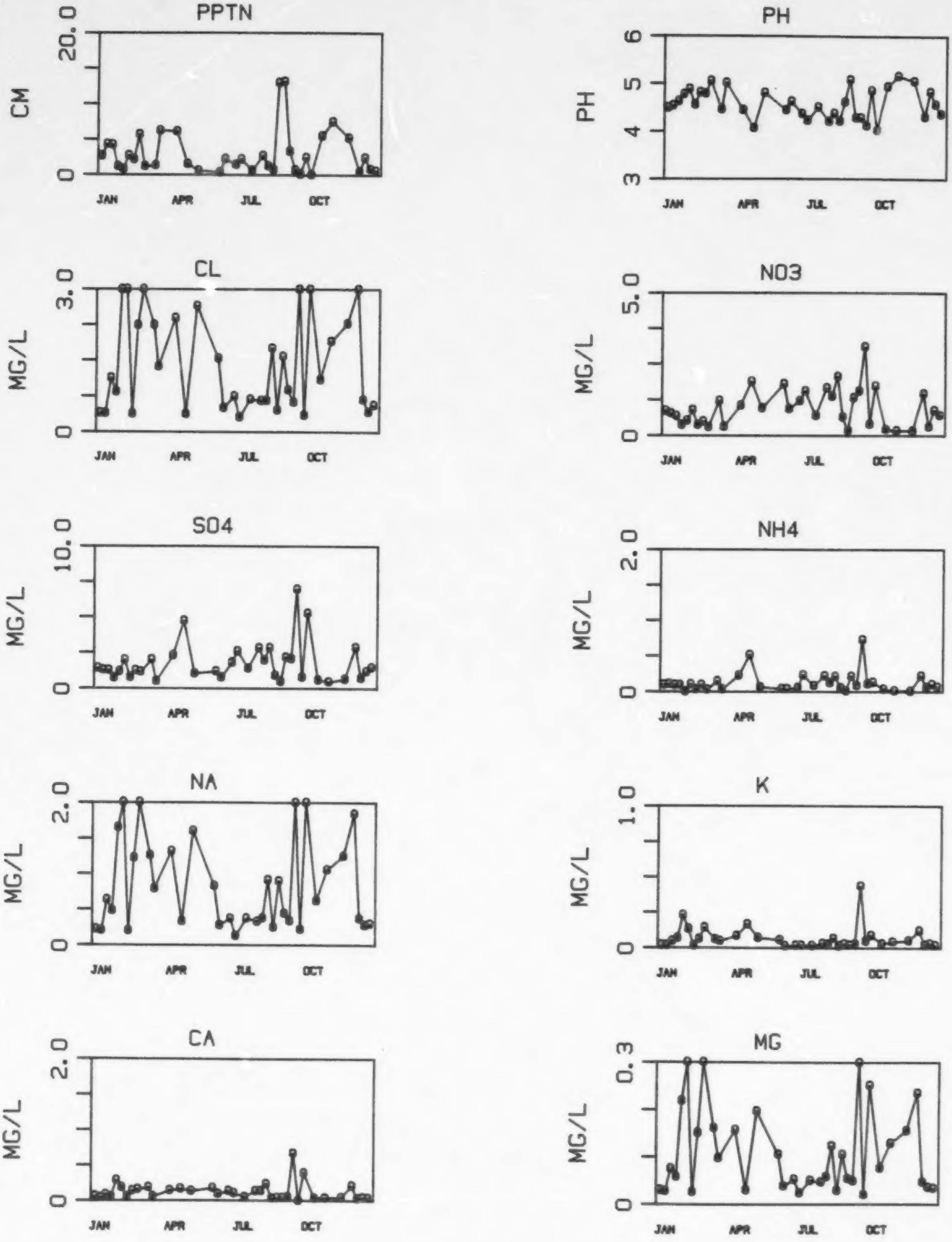


Figure 2-1 (continued)

SITE: SCCON

Data Plots, Jan '87 - Dec '87

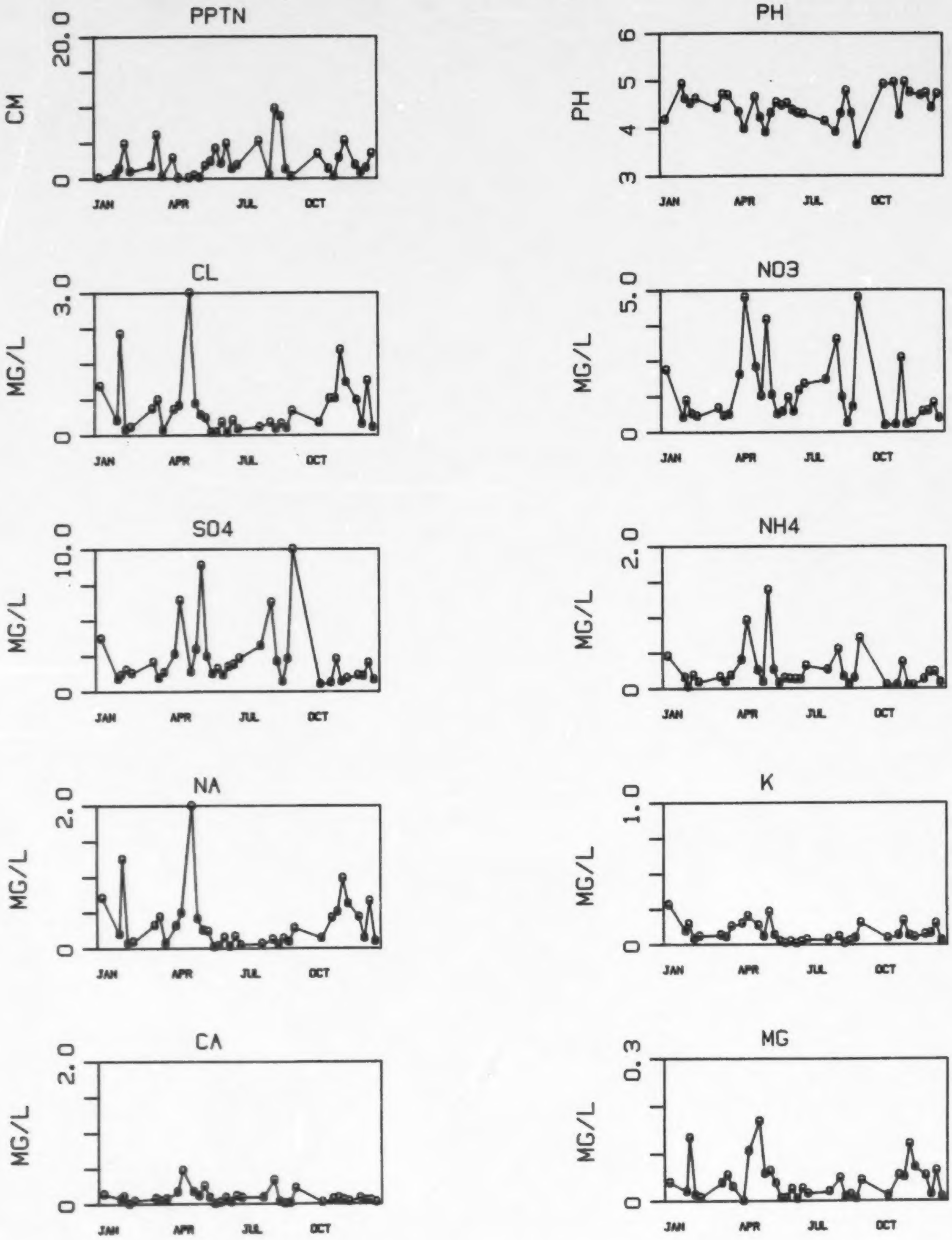


Figure 2-1 (continued)

SITE: SCDEL

Data Plots, Jan '87 - Dec '87

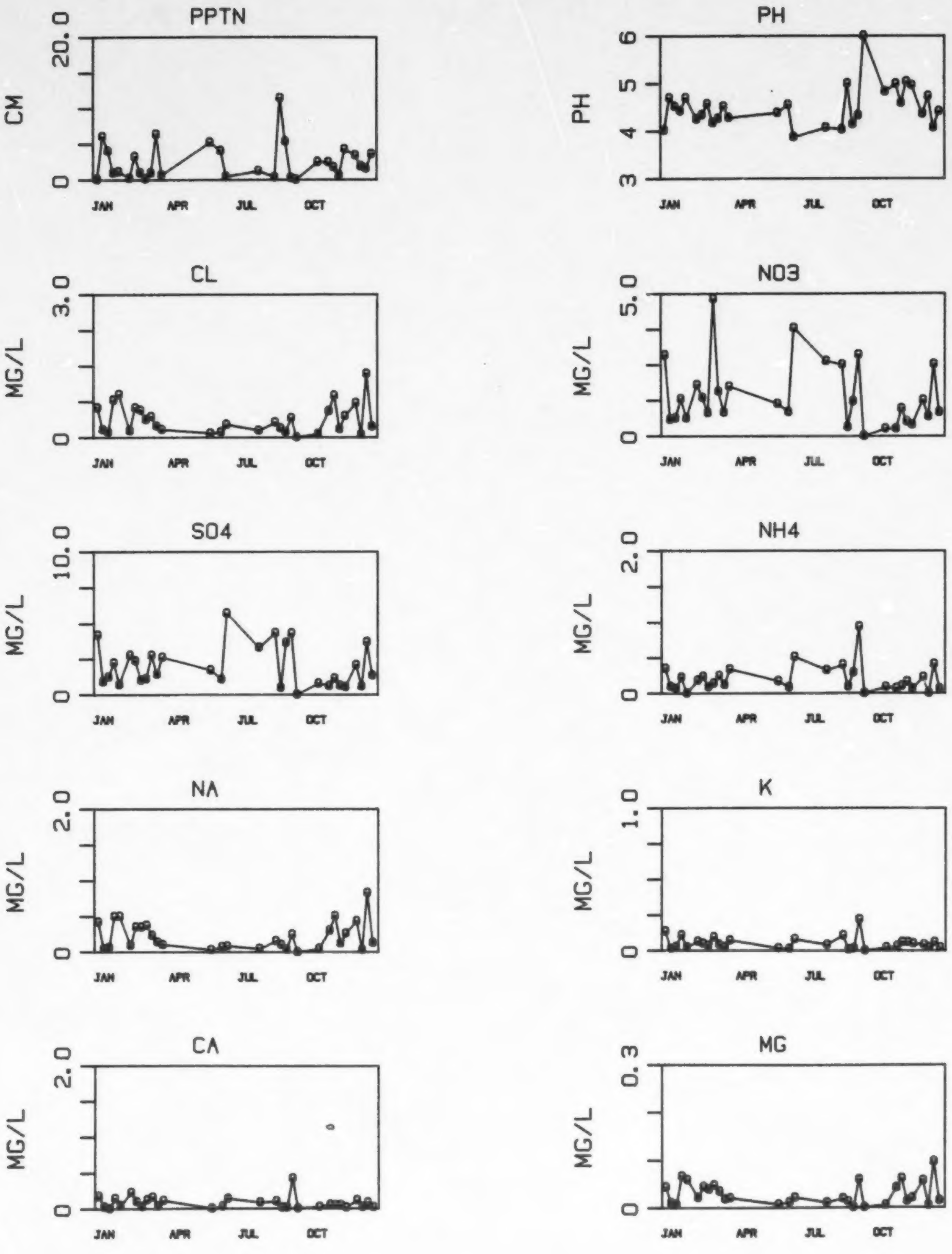
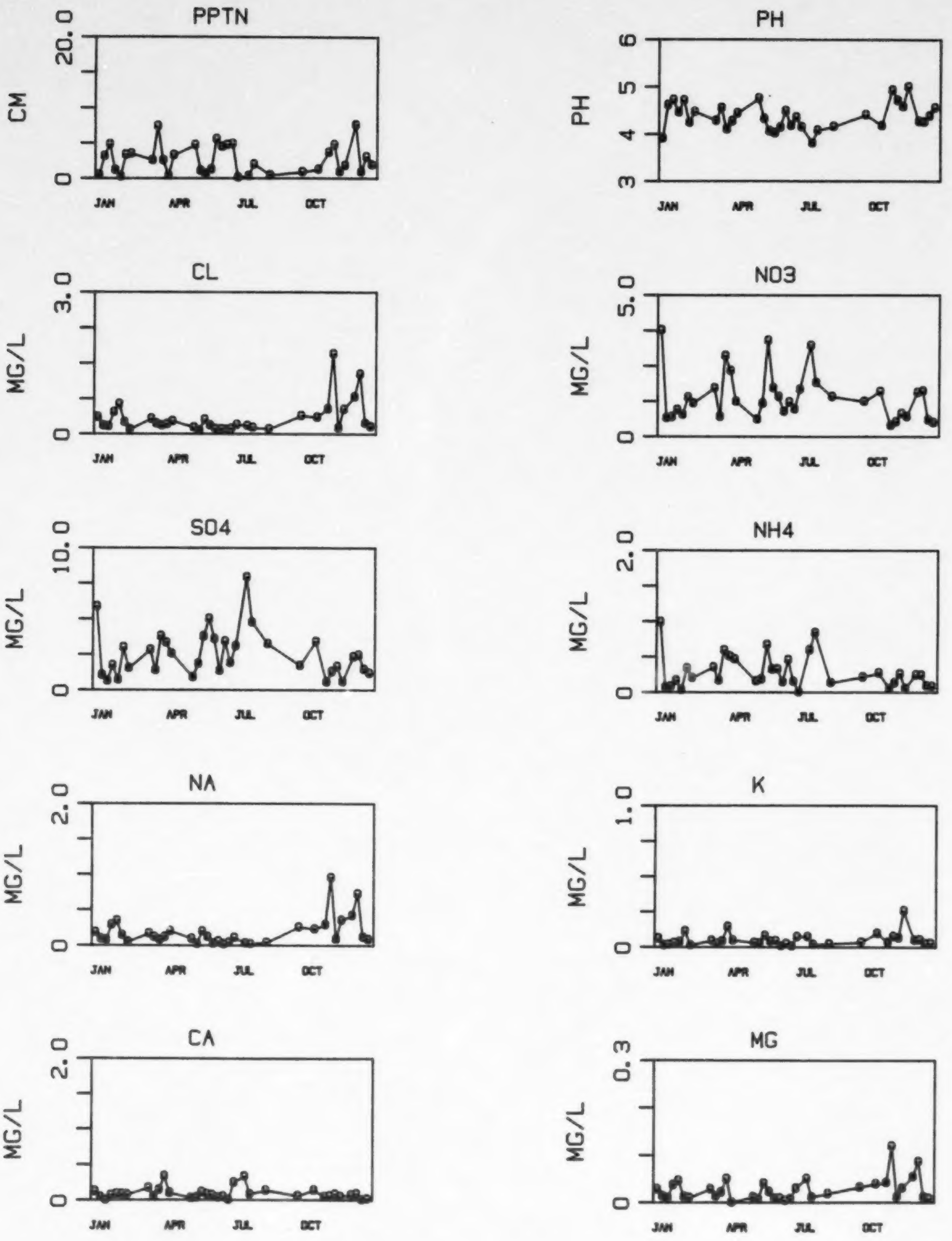


Figure 2-1 (continued)
SITE: SCLON
Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2522	SCCAP	870106		930	870113	930	870122	1	1.06	1770.00	17.9
2534	SCCAP	870113		930	870120	930	870123	6	1.71	3029.50	16.3
2581	SCCAP	870127		930	870203	930	870206	1	0.46	1098.00	13.6
2606	SCCAP	870120		930	870127	930	870213	3	1.66	3248.00	16.8
2620	SCCAP	870203		930	870210	930	870220	2	0.29	642.00	22.7
2643	SCCAP	870210		930	870217	930	870226	1	1.07	2001.00	39.1
2671	SCCAP	870217		930	870224	930	870306	2	0.85	3013.00	5.5
2698	SCCAP	870303		930	870310	930	870319			805.00	28.0
2723	SCCAP	870224		930	870303	930	870325			3846.00	18.6
2744	SCCAP	870317		930	870323	1500	870331	1	0.52	1148.50	27.9
2774	SCCAP	870323		1500	870331	945	870408			4225.50	9.8
2795	SCCAP	870331			870407		870414	1	0.07	118.00	53.8
2840	SCCAP	870414		930	870421	930	870430	4	2.40	3958.00	29.2

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2522	SCCAP	870106	4.37			1.04	1.11	375.0	4.49	37.8	15.0
2534	SCCAP	870113	4.43			1.06	1.09	425.0	4.53	35.2	14.0
2581	SCCAP	870127	4.70	3		0.91	1.05	550.0	4.77	25.6	10.9
2600	SCCAP	870120	4.49			1.06	1.05	550.0	4.62	30.5	15.3
2620	SCCAP	870203	4.46	2		0.98	0.97	575.0	4.88	25.3	20.2
2643	SCCAP	870210	4.48	3		1.04	1.04	550.0	4.55	32.2	35.7
2671	SCCAP	870217	4.63			1.07	1.18	550.0	4.81	20.2	7.4
2698	SCCAP	870303	5.04			1.03	1.07	560.0	5.05	14.1	27.2
2723	SCCAP	870224	4.64	3		1.04	1.07	575.0	4.78	20.7	16.4
2744	SCCAP	870317	4.45			1.04	1.06	560.0	4.45	41.8	25.1
2774	SCCAP	870323	4.92	3	33	0.97	1.14	550.0	5.01	14.2	8.9
2795	SCCAP	870331	3.94	3	3399	9999.00	9999.00	75.0	4.04		
2840	SCCAP	870414	4.34	3	33	1.04	0.98	550.0	4.44	42.2	28.4

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2522	SCCAP	870106	-0.002	0.391	-0.018	0.038	-0.009	0.849	1.407	0.096	0.220
			-0.107	11.039	-0.382	0.400	-0.109	13.670	14.629	5.297	9.568
2534	SCCAP	870113	0.011	0.389	-0.006	0.034	-0.008	0.763	1.286	0.106	0.203
			0.579	10.972	-0.128	0.355	-0.099	12.285	13.375	5.886	8.810
2581	SCCAP	870127	0.032	0.835	-0.146	0.026	-0.138	0.362	0.726	0.092	0.479
			1.700	23.556	-3.175	0.278	-1.731	5.834	7.553	5.097	20.850
2600	SCCAP	870120	0.026	1.130	-0.038	0.034	-0.036	0.672	1.277	0.091	0.633
			1.357	31.863	-0.826	0.357	-0.451	10.814	13.280	5.055	27.542
2620	SCCAP	870203	0.041	2.993	-0.008	0.045	-0.012	0.507	1.179	-0.012	1.651
			2.167	84.414	-0.169	0.477	-0.154	8.159	12.259	-0.677	71.829
2643	SCCAP	870210	-0.001	6.060	-0.002	-0.038	0.031	0.891	1.984	0.104	3.217
			-0.071	170.884	-0.051	-0.402	0.391	14.344	20.630	5.754	139.953
2671	SCCAP	870217	-0.003	0.374	-0.014	-0.063	0.058	0.364	0.762	0.032	0.197
			-0.154	10.560	-0.301	-0.666	0.720	5.868	7.924	1.778	8.567
2698	SCCAP	870303	0.017	6.328	-0.002	-0.056	0.012	0.287	1.160	0.028	3.356
			0.907	178.443	-0.037	-0.590	0.151	4.617	12.062	1.542	145.986
2723	SCCAP	870224	0.008	2.241	-0.002	0.054	-0.013	0.490	1.255	0.096	1.221
			0.439	63.184	-0.033	0.564	-0.157	7.882	13.050	5.317	53.104
2744	SCCAP	870317	0.008	2.244	-0.006	0.061	-0.011	1.208	2.016	0.147	1.256
			0.424	63.278	-0.133	0.643	-0.143	19.447	20.964	8.132	54.623
2774	SCCAP	870323	0.004	1.368	-0.017	0.060	-0.037	0.300	0.502	0.032	0.789
			0.188	38.586	-0.370	0.627	-0.459	4.830	5.224	1.790	34.323
2795	SCCAP	870331									
2840	SCCAP	870414	0.007	2.386	-0.007	-0.059	-0.011	1.052	2.298	0.225	1.316
			0.392	67.288	-0.160	-0.616	-0.137	16.933	23.896	12.481	57.256

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2522	SCCAP	870106	0.018	0.062	0.030
			0.464	1.543	1.228
2534	SCCAP	870113	0.017	0.041	0.028
			0.444	1.023	1.136
2581	SCCAP	870127	0.067	0.050	0.058
			1.711	1.241	2.389
2600	SCCAP	870120	0.046	0.082	0.075
			1.169	2.058	3.085
2620	SCCAP	870203	0.229	0.285	0.218
			5.850	7.119	8.989
2643	SCCAP	870210	0.131	0.185	0.386
			3.356	4.612	15.895
2671	SCCAP	870217	0.014	0.053	0.026
			0.358	1.311	1.067
2698	SCCAP	870303	0.142	0.160	0.417
			3.642	3.996	17.163
2723	SCCAP	870224	0.062	0.138	0.151
			1.580	3.453	6.210
2744	SCCAP	870317	0.060	0.186	0.161
			1.533	4.643	6.632
2774	SCCAP	870323	0.048	0.055	0.097
			1.218	1.380	4.001
2795	SCCAP	870331			
2840	SCCAP	870414	0.083	0.142	0.157
			2.126	3.551	6.468

ID	STN	BD	TYPE	BT	ED	ET	DR	EVENT	INCH	FWT	FCOND
					YRMODY		YRMODY	# EVENTS		gm	umho/cm
2862	SCCAP	870428		930	870505	930	870511	2	0.600	1310.500	47.400
2906	SCCAP	870512		930	870519	930	870528			395.000	19.400
2928	SCCAP	870519		930	870526	930	870602	2	1.150	2522.500	22.200
2960	SCCAP	870602		930	870609	930	870616	2	0.700	1940.000	40.600
2980	SCCAP	870609		930	870616	930	870624	2	0.130	344.500	24.800
3014	SCCAP	870616		930	870623	930	870630	4	0.880	2065.000	13.300
3034	SCCAP	870623		930	870630	930	870707			2929.000	42.000
3058	SCCAP	870630		930	870707	1130	870714	5	0.570	1074.000	23.900
3078	SCCAP	870707		930	870714	1300	870722			1517.000	31.300
3103	SCCAP	870721		930	870728	930	870804	1	0.240	392.000	17.100
3158	SCCAP	870804		930	870811	930	870825	6	1.070	1839.000	34.700
3159	SCCAP	870811		930	870818	930	870825	2	0.490	969.000	25.100
3176	SCCAP	870818		930	870825	930	870902			492.000	38.100
3193	SCCAP	870825		930	870901	930	870910			8786.000	13.500
3208	SCCAP	870901		930	870908	930	870915	6		8914.500	9.900
3236	SCCAP	870908		930	870915	930	870924	4	1.320	2140.500	28.100
3264	SCCAP	870915		930	870922	930	870930	3	0.280	418.500	29.100

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3270	SCCAP	870922		930	870929	930	871009	1		68.500	
3281	SCCAP	870929		930	871006	930	871015	1	0.970	1488.500	11.700
3316	SCCAP	871006		930	871013	930	871104	2	0.010	23.000	
3317	SCCAP	871020		930	871027	930	871104	2		3713.000	9.000
3351	SCCAP	871103		930	871110	930	871123	3	2.950	5123.000	9.700
3352	SCCAP	871110		930	871117	930	871123			5.000	
3372	SCCAP	871117		930	871124	930	871130	2	0.190	1494.000	23.400
3392	SCCAP	871124		930	871201	930	871209	7	2.050	6355.500	12.100
3449	SCCAP	871208		930	871215	930	880105	2	0.190	441.000	36.200
3450	SCCAP	871215		930	871222	230	880105	2	0.960	1656.000	9.100
3468	SCCAP	871222			871229		880108	2	0.330	766.000	14.000
3502	SCCAP	871229		930	880105	930	880120	5	0.230	1402.000	20.100

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2862	SCCAP	870428	3.960	3.000		0.973	0.978	550.000	4.060	100.800	45.671
2906	SCCAP	870512	4.720			0.985	1.035	350.000	4.800	22.900	18.520
2928	SCCAP	870519	4.350	3.000	34.000	1.004	1.027	550.000	4.420	44.700	20.450
2960	SCCAP	870602	4.040		34.000	1.025	0.974	550.000	4.130	83.400	39.746
2980	SCCAP	870609	4.330	3.000		1.055	0.998	300.000	4.440	42.800	23.050
3014	SCCAP	870616	4.540	3.000		1.034	1.084	550.000	4.620	26.100	12.066
3034	SCCAP	870623	4.040	3.000	34.000	1.031	0.974	550.000	4.080	99.500	39.532
3058	SCCAP	870630	4.210			1.066	0.996	550.000	4.360	54.700	22.887
3078	SCCAP	870707	4.130	3.000		1.042	1.062	550.000	4.220	69.200	27.603
3103	SCCAP	870721	4.400	3.000		1.009	1.147	330.000	4.500	36.900	14.869
3158	SCCAP	870804	3.990			1.050	1.027	550.000	4.200	72.300	31.323
3159	SCCAP	870811	4.190			1.060	1.032	550.000	4.370	50.900	22.350
3176	SCCAP	870818	4.240	3.000		1.048	1.022	475.000	4.210	71.500	35.670
3193	SCCAP	870825	4.400	3.000		1.007	1.107	550.000	4.610	28.800	11.551
3208	SCCAP	870901	5.090	3.000		0.971	1.121	550.000	5.080	14.300	8.864
3236	SCCAP	870908	4.250	3.000		1.030	1.026	550.000	4.280	60.000	26.735
3264	SCCAP	870915	4.220	3.000		1.103	0.998	360.000	4.280	60.400	26.265

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3270	SCCAP	870922		3.000		1.019	0.982	60.000	4.110	95.400	103.365
3281	SCCAP	870929	4.570			1.011	1.152	550.000	4.850	19.600	7.374
3316	SCCAP	871006				1.005	1.136	10.000	4.020		51.559
3317	SCCAP	871020	4.860	13.000	33.000	0.960	1.112	550.000	4.940	16.000	8.614
3351	SCCAP	871103	5.050	3.000	33.000	0.987	1.062	525.000	5.160	11.400	9.967
3352	SCCAP	871110			1099.000	9999.000	9999.000	1.000	4.440		
3372	SCCAP	871117	4.980	3.000	3134.000	1.024	1.032	550.000	5.200	15.900	24.253
3392	SCCAP	871124	5.100			1.010	1.071	550.000	5.050	11.800	12.097
3449	SCCAP	871208	4.270	3.000		1.030	1.059	400.000	4.300	52.500	35.854
3450	SCCAP	871215	4.840	3.000		0.997	1.195	540.000	4.830	17.500	7.985
3468	SCCAP	871222	4.520	3.000		1.007	1.218	550.000	4.560	28.600	12.160
3502	SCCAP	871229	4.330	3.000		0.921	1.100	550.000	4.360	49.100	19.003

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2862	SCCAP	870428	0.021	0.369	-0.012	-0.050	-0.034	1.884	4.725	0.515	0.329
			1.100	10.410	-0.258	-0.524	-0.421	30.330	49.143	28.504	14.315
2906	SCCAP	870512	-0.027	2.648	-0.009	-0.050	-0.011	0.957	1.042	0.062	1.602
			-1.408	74.678	-0.197	-0.521	-0.142	15.403	10.840	3.416	69.691
2928	SCCAP	870519	-0.024	0.724	-0.013	-0.054	-0.003	1.172	1.711	0.142	0.423
			-1.259	20.429	-0.275	-0.565	-0.043	18.871	17.799	7.844	18.417
2960	SCCAP	870602	0.027	1.021	-0.007	-0.063	-0.005	1.666	3.475	0.309	0.565
			1.408	28.804	-0.154	-0.660	-0.057	26.824	36.140	17.128	24.574
2980	SCCAP	870609	0.018	1.538	-0.006	-0.063	-0.015	1.797	1.195	0.039	0.828
			0.927	43.367	-0.123	-0.666	-0.184	28.940	12.432	2.183	36.020
3014	SCCAP	870616	0.009	0.502	-0.004	0.056	-0.015	0.933	0.770	0.037	0.274
			0.460	14.165	-0.087	0.592	-0.188	15.016	8.009	2.062	11.916
3034	SCCAP	870623	0.065	0.451	-0.003	0.036	-0.006	1.523	3.241	0.151	0.191
			3.420	12.727	-0.057	0.381	-0.071	24.514	33.707	8.346	8.318
3058	SCCAP	870630	0.008	0.749	-0.006	-0.063	-0.006	1.215	1.808	0.054	0.371
			0.432	21.108	-0.127	-0.656	-0.077	19.554	18.801	3.001	16.130
3078	SCCAP	870707	0.027	0.309	-0.013	-0.059	-0.015	1.552	2.601	0.232	0.127
			1.403	8.713	-0.273	-0.618	-0.190	24.983	27.054	12.837	5.539
3103	SCCAP	870721	-0.004	0.685	-0.001	-0.081	-0.008	0.693	1.401	0.082	0.373
			-0.218	19.307	-0.032	-0.853	-0.095	11.155	14.569	4.567	16.236
3158	SCCAP	870804	0.024	0.658	-0.001	-0.085	-0.005	1.665	2.832	0.221	0.330
			1.268	18.542	-0.029	-0.896	-0.066	26.803	29.452	12.229	14.350
3159	SCCAP	870811	0.013	0.661	-0.001	-0.086	-0.005	1.365	1.973	0.122	0.378
			0.702	18.628	-0.025	-0.904	-0.067	21.970	20.522	6.759	16.423
3176	SCCAP	870818	0.024	1.755	-0.004	-0.077	-0.009	2.059	2.837	0.214	0.914
			1.243	49.504	-0.081	-0.812	-0.115	33.152	29.505	11.863	39.771
3193	SCCAP	870825	0.012	0.457	-0.006	-0.067	-0.017	0.641	0.920	0.056	0.247
			0.619	12.886	-0.120	-0.708	-0.209	10.312	9.565	3.094	10.751
3208	SCCAP	870901	-0.002	1.588	-0.005	-0.069	-0.018	0.167	0.484	0.010	0.898
			-0.097	44.782	-0.117	-0.723	-0.222	2.692	5.039	0.567	39.078
3236	SCCAP	870908	0.010	0.882	-0.001	-0.042	0.065	1.323	2.185	0.215	0.443
			0.549	24.873	-0.026	-0.443	0.815	21.295	22.723	11.939	19.283
3264	SCCAP	870915	0.020	0.624	-0.002	-0.091	-0.004	1.550	2.066	0.083	0.337
			1.033	17.589	-0.041	-0.952	-0.046	24.948	21.490	4.577	14.647

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
3270	SCCAP	870922	0.058	14.598	-0.004	-0.080	0.028	3.099	6.969	0.726	8.125
			3.035	411.658	-0.085	-0.840	0.349	49.890	72.474	40.228	353.427
3281	SCCAP	870929	0.005	0.348	-0.004	-0.079	-0.007	0.392	0.786	0.108	0.217
			0.246	9.813	-0.087	-0.824	-0.086	6.319	8.176	5.992	9.451
3316	SCCAP	871006	-0.013	3.441	-0.002	-0.038	-0.027	1.729	5.269	0.133	2.042
			-0.684	97.026	-0.041	-0.400	-0.341	27.839	54.800	7.368	88.817
3317	SCCAP	871020	0.006	1.096	-0.002	-0.039	-0.027	0.208	0.601	0.035	0.619
			0.312	30.904	-0.041	-0.408	-0.335	3.346	6.249	1.965	26.929
3351	SCCAP	871103	-0.002	1.900	-0.016	-0.100	0.025	0.162	0.474	0.013	1.059
			-0.093	53.568	-0.344	-1.048	0.313	2.605	4.928	0.713	46.047
3352	SCCAP	871110									
3372	SCCAP	871117	-0.004	4.821	-0.006	0.418	0.052	0.248	1.222	0.039	2.516
			-0.232	135.965	-0.127	4.386	0.653	3.991	12.706	2.184	109.440
3392	SCCAP	871124	-0.007	2.273	-0.017	0.019	-0.035	0.158	0.650	0.009	1.248
			-0.352	64.086	-0.359	0.195	-0.436	2.543	6.756	0.514	54.304
3449	SCCAP	871208	-0.016	3.441	-0.002	0.005	-0.006	1.452	2.872	0.222	1.844
			-0.842	97.033	-0.054	0.055	-0.071	23.384	29.864	12.284	80.212
3450	SCCAP	871215	-0.016	0.678	-0.003	0.012	-0.006	0.303	0.736	0.060	0.371
			-0.818	19.123	-0.058	0.122	-0.077	4.876	7.652	3.299	16.117
3468	SCCAP	871222	-0.006	0.417	-0.007	0.013	-0.017	0.877	1.203	0.105	0.276
			-0.294	11.768	-0.155	0.135	-0.213	14.127	12.516	5.840	11.984
3502	SCCAP	871229	0.027	0.562	-0.069	0.021	-0.123	0.699	1.482	0.070	0.297
			1.411	15.862	-1.494	0.216	-1.537	11.249	15.417	3.893	12.935

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2862	SCCAP	870428	0.165	0.166	0.030
			4.214	4.134	1.227
2906	SCCAP	870512	0.069	0.134	0.197
			1.770	3.347	8.108
2928	SCCAP	870519	0.047	0.101	0.055
			1.191	2.521	2.244
2960	SCCAP	870602	0.094	0.055	0.072
			2.397	1.384	2.973
2980	SCCAP	870609	0.054	0.176	0.106
			1.393	4.379	4.347
3014	SCCAP	870616	0.013	0.093	0.038
			0.323	2.329	1.576
3034	SCCAP	870623	0.030	0.080	0.027
			0.758	1.988	1.097
3058	SCCAP	870630	0.017	0.135	0.052
			0.432	3.368	2.152
3078	SCCAP	870707	0.018	0.103	0.024
			0.470	2.560	0.978
3103	SCCAP	870721	0.016	0.049	0.050
			0.397	1.233	2.058
3158	SCCAP	870804	0.031	0.136	0.047
			0.803	3.383	1.926
3159	SCCAP	870811	0.025	0.137	0.058
			0.648	3.419	2.385
3176	SCCAP	870818	0.067	0.236	0.124
			1.724	5.889	5.087
3193	SCCAP	870825	0.014	0.035	0.029
			0.364	0.874	1.190
3208	SCCAP	870901	0.028	0.040	0.105
			0.728	0.987	4.332
3236	SCCAP	870908	0.021	0.041	0.054
			0.540	1.035	2.218
3264	SCCAP	870915	0.029	0.050	0.049
			0.730	1.255	2.006

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3270	SCCAP	870922	0.437	0.666	1.013
			11.169	16.613	41.671
3281	SCCAP	870929	0.048	0.002	0.020
			1.218	0.038	0.824
3316	SCCAP	871006	0.088	0.392	0.252
			2.254	9.775	10.359
3317	SCCAP	871020	0.030	0.036	0.076
			0.768	0.890	3.115
3351	SCCAP	871103	0.042	0.038	0.129
			1.082	0.948	5.296
3352	SCCAP	871110			
3372	SCCAP	871117	0.904	0.137	0.330
			23.127	3.413	13.580
3392	SCCAP	871124	0.052	0.044	0.155
			1.329	1.095	6.388
3449	SCCAP	871208	0.122	0.210	0.235
			3.113	5.232	9.668
3450	SCCAP	871215	0.023	0.027	0.047
			0.577	0.665	1.916
3468	SCCAP	871222	0.031	0.043	0.036
			0.787	1.079	1.472
3502	SCCAP	871229	0.019	0.037	0.034
			0.482	0.918	1.409

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2523	SCCON	870108	3.00	1027	870113	1000	870122	1	0.06	105.00	39.4
2580	SCCON	870113		1000	870130	1135	870206	6		9507.00	11.5
2621	SCCON	870130		1135	870203	1436	870220	1	0.31	592.00	10.5
2622	SCCON	870203		1436	870210	1440	870220	3	0.60	837.00	20.7
2644	SCCON	870210		1440	870217	1208	870226	1	1.92	3348.00	16.2
2657	SCCON	870217		1207	870224	1200	870303	1	0.39	704.00	14.8
2745	SCCON	870317		1500	870324	1020	870331	2		1178.00	22.6
2767	SCCON	870324		1020	870331	1500	870407	4		4113.00	15.9
2796	SCCON	870331		1500	870407	1356	870414	1	0.12	323.00	13.5
2841	SCCON	870414		900	870421	920	870430	5	1.13	1069.00	28.9

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2523	SCCON	870108	4.13	3		1.04	1.03	50.0	4.18		37.4
2580	SCCON	870113	4.45	3	34	1.03	1.14	550.0	4.68	28.5	9.3
2621	SCCON	870130	4.60	3		1.02	1.22	450.0	4.93	16.8	6.9
2622	SCCON	870203	4.61	3		1.05	1.08	550.0	4.62	29.3	18.8
2644	SCCON	870210	4.48	3	33	1.01	1.09	550.0	4.52	35.0	13.7
2657	SCCON	870217	4.52	3		1.11	1.08	550.0	4.62	33.1	11.4
2745	SCCON	870317	4.38	3		1.09	1.09	540.0	4.42	43.9	19.1
2767	SCCON	870324	4.19	3		1.02	1.22	560.0	4.71	24.1	10.3
2796	SCCON	870331	4.95	3		1.04	1.14	275.0	4.69	25.4	10.4
2841	SCCON	870414	4.29	3	33	1.10	0.97	550.0	4.34	55.2	27.7

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2523	SCCON	870108	0.029	1.029	-0.017	0.039	-0.009	2.185	3.728	0.454	0.708
			1.511	29.026	-0.370	0.411	-0.107	35.185	38.770	25.154	30.818
2580	SCCON	870113	0.009	0.164	-0.150	0.026	-0.142	0.504	0.989	0.115	0.090
			0.472	4.621	-3.269	0.271	-1.782	8.118	10.284	6.353	3.926
2621	SCCON	870130	0.008	0.307	-0.008	0.041	-0.010	0.525	0.879	0.155	0.198
			0.431	8.665	-0.163	0.431	-0.129	8.452	9.139	8.578	8.623
2622	SCCON	870203	-0.004	2.133	-0.007	0.055	0.026	1.114	1.157	0.022	1.252
			-0.230	60.159	-0.161	0.577	0.332	17.938	12.030	1.192	54.478
2644	SCCON	870210	-0.001	0.116	-0.002	-0.039	0.022	0.645	1.519	0.183	0.067
			-0.068	3.259	-0.049	-0.406	0.276	10.385	15.793	10.146	2.934
2657	SCCON	870217	0.012	0.171	-0.006	-0.027	-0.023	0.555	1.269	0.087	0.092
			0.612	4.829	-0.132	-0.281	-0.287	8.939	13.194	4.809	4.001
2745	SCCON	870317	0.006	0.557	-0.006	0.088	-0.011	0.841	2.059	0.161	0.322
			0.300	15.711	-0.138	0.927	-0.140	13.544	21.415	8.918	13.987
2767	SCCON	870324	0.008	0.739	-0.015	0.072	-0.028	0.565	0.941	0.086	0.441
			0.419	20.838	-0.316	0.757	-0.353	9.094	9.783	4.763	19.167
2796	SCCON	870331	0.008	0.112	-0.042	0.093	-0.024	0.619	1.333	0.180	0.069
			0.443	3.154	-0.908	0.979	-0.297	9.960	13.860	9.972	2.980
2841	SCCON	870414	0.014	0.535	-0.007	-0.059	-0.011	2.022	2.634	0.401	0.316
			0.724	15.085	-0.160	-0.617	-0.141	32.559	27.398	22.211	13.750

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2523	SCCON	870108	0.282	0.136	0.039
			7.223	3.394	1.611
2580	SCCON	870113	0.018	0.024	0.012
			0.468	0.598	0.478
2621	SCCON	870130	0.095	0.072	0.020
			2.420	1.805	0.836
2622	SCCON	870203	0.144	0.106	0.134
			3.682	2.652	5.519
2644	SCCON	870210	0.039	0.001	0.013
			0.998	0.020	0.529
2657	SCCON	870217	0.058	0.041	0.007
			1.487	1.032	0.295
2745	SCCON	870317	0.066	0.077	0.038
			1.693	1.923	1.582
2767	SCCON	870324	0.054	0.043	0.055
			1.374	1.082	2.246
2796	SCCON	870331	0.128	0.072	0.030
			3.276	1.808	1.252
2841	SCCON	870414	0.150	0.168	-0.002
			3.825	4.204	-0.076

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2863	SCCON	870428		925	870505	1040	870511	4	1.440	2523.000	42.300
2867	SCCON	870421		920	870428	925	870512	1	0.030	69.000	
2891	SCCON	870505		1040	870512	1425	870521	1	0.040	75.000	
2907	SCCON	870512		1425	870519	1430	870528	2	0.180	313.000	31.200
2930	SCCON	870519		1430	870526	1430	870603	2	0.050	99.000	75.400
2944	SCCON	870526		930	870602	1050	870609	2	0.690	1282.000	25.400
2961	SCCON	870602		1050	870609		870616	1	0.920	1704.000	14.600
2981	SCCON	870609		1240	870616	1100	870624	1		2848.000	18.100
3015	SCCON	870616		1100	870623	1200	870630	3		1429.000	16.200
3035	SCCON	870623		1200	870630	1300	870707	2	1.920	4326.000	21.100
3062	SCCON	870630		1300	870707	1215	870715	4	0.530	1375.000	25.100
3079	SCCON	870707		1215	870714	1000	870722	2	0.740	1103.000	28.000
3121	SCCON	870728		931	870804	1245	870811			213.000	64.300
3160	SCCON	870804		1245	870811	1500	870825			3543.000	38.700
3177	SCCON	870818		1335	870825	837	870902			340.000	64.700
3194	SCCON	870825		837	870901	838	870910			6635.000	25.400
3217	SCCON	870901		837	870908	945	870918			5887.000	8.400

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3237	SCCON	870908		943	870915	1325	870924			879.000	24.900
3265	SCCON	870915		1325	870922	1350	870930			180.000	119.800
3271	SCCON	870922		1350	870929	855	871009			3.000	
3282	SCCON	870929		853	871006	900	871015			954.000	9.000
3318	SCCON	871020		820	871027	830	871104			2311.000	6.500
3344	SCCON	871103		945	871110	930	871117			903.000	7.500
3373	SCCON	871110		930	871117	845	871130			158.000	30.100
3374	SCCON	871117		845	871124	1203	871130	2	1.130	2117.000	11.500
3393	SCCON	871124		1200	871201	1400	871209	4	2.060	3457.000	12.800
3451	SCCON	871208		1505	871215	1130	880105			1265.000	13.300
3452	SCCON	871215		1133	871222	1115	880105	2	0.300	524.000	12.200
3469	SCCON	871222		1115	871229	1600	880108	3	0.570	936.000	23.400
3503	SCCON	871229		1600	880105	1230	880120	3	1.360	2355.000	9.600

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2863	SCCON	870428	4.090	3.000	32.000	1.048	0.954	550.000	4.150	84.100	41.688
2867	SCCON	870421		3.000		1.066	0.928	65.000	3.980		65.640
2891	SCCON	870505				0.984	1.005	75.000	4.650	20.800	26.736
2907	SCCON	870512	4.190	3.000		1.080	0.983	250.000	4.220	68.700	31.196
2930	SCCON	870519	4.850	3.000		1.135	0.936	50.000	3.910		75.337
2944	SCCON	870526	4.220	13.000		1.014	1.029	525.000	4.310	56.000	24.717
2961	SCCON	870602	4.530	3.000		1.077	1.086	525.000	4.530	35.100	12.422
2981	SCCON	870609	4.420	3.000		1.049	1.024	525.000	4.470	42.500	15.697
3015	SCCON	870616	4.440	3.000		1.062	1.087	550.000	4.520	35.700	14.460
3035	SCCON	870623	4.310			0.959	1.040	550.000	4.370	48.500	18.485
3062	SCCON	870630	4.220	3.000		1.024	1.042	550.000	4.310	56.600	22.806
3079	SCCON	870707	4.200	3.000		1.054	1.061	550.000	4.290	60.800	24.151
3121	SCCON	870728	3.730	3.000	3334.000	1.055	1.020	175.000	3.890	143.600	61.941
3160	SCCON	870804	3.940	3.000		1.074	1.053	500.000	4.140	81.700	32.770
3177	SCCON	870818	3.930	3.000		1.077	1.010	300.000	3.910	137.700	60.539
3194	SCCON	870825	4.330		33.000	1.070	1.097	550.000	4.300	57.000	21.344
3217	SCCON	870901	4.840			0.996	1.166	525.000	4.780	22.700	7.184

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3237	SCCON	870908	4.290	3.000		1.068	1.050	550.000	4.310	58.000	21.884
3265	SCCON	870915	3.610	3.000		1.092	0.937	100.000	3.640	256.100	116.110
3271	SCCON	870922			1099.000	9999.000	9999.000	2.000			
3282	SCCON	870929	4.860		34.000	1.040	1.144	550.000	4.670	24.600	9.840
3318	SCCON	871020	4.930			0.926	1.256	550.000	4.920	16.500	5.161
3344	SCCON	871103	5.040	3.000		0.944	1.241	550.000	4.960	16.000	6.769
3373	SCCON	871110	4.230	3.000		1.045	1.044	120.000	4.270	63.200	29.141
3374	SCCON	871117	4.990	3.000		0.994	1.062	525.000	4.970	16.100	11.417
3393	SCCON	871124	4.730			1.010	1.124	525.000	4.750	21.600	11.090
3451	SCCON	871208	4.700	3.000		0.982	1.148	525.000	4.690	23.600	11.620
3452	SCCON	871215	4.640	3.000		0.979	1.193	250.000	4.740	20.700	9.204
3469	SCCON	871222	4.350	3.000		1.012	1.115	525.000	4.430	41.700	20.456
3503	SCCON	871229	4.600	3.000		0.995	1.214	550.000	4.720	22.500	7.847

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2863	SCCON	870428	0.030	0.138	-0.013	0.052	-0.037	2.734	4.372	0.713	0.048
			1.554	3.888	-0.278	0.542	-0.460	44.021	45.472	39.474	2.080
2867	SCCON	870421	0.042	0.620	-0.015	-0.043	-0.045	4.745	6.436	0.956	0.495
			2.210	17.496	-0.330	-0.448	-0.558	76.387	66.935	52.983	21.553
2891	SCCON	870505	0.024	3.157	-0.006	-0.078	-0.008	2.281	1.368	0.255	2.206
			1.250	89.035	-0.130	-0.814	-0.105	36.719	14.225	14.136	95.979
2907	SCCON	870512	0.030	0.656	-0.010	-0.050	-0.011	1.260	2.978	0.092	0.415
			1.569	18.492	-0.207	-0.529	-0.139	20.291	30.966	5.101	18.052
2930	SCCON	870519	0.087	0.420	-0.006	-0.048	-0.005	3.955	8.878	1.385	0.253
			4.586	11.850	-0.120	-0.508	-0.069	63.678	92.328	76.734	10.993
2944	SCCON	870526	0.032	0.356	-0.007	-0.058	-0.005	1.299	2.447	0.261	0.236
			1.659	10.035	-0.157	-0.605	-0.061	20.907	25.447	14.444	10.262
2961	SCCON	870602	0.011	0.053	-0.007	-0.063	-0.005	0.627	1.229	0.072	0.018
			0.565	1.504	-0.152	-0.658	-0.057	10.095	12.784	3.974	0.803
2981	SCCON	870609	0.014	0.055	-0.006	-0.062	-0.015	0.721	1.584	0.143	0.032
			0.741	1.561	-0.120	-0.652	-0.191	11.608	16.473	7.910	1.378
3015	SCCON	870616	0.015	0.271	-0.004	0.060	-0.014	1.202	1.145	0.131	0.148
			0.809	7.637	-0.088	0.631	-0.181	19.352	11.911	7.233	6.455
3035	SCCON	870623	0.013	0.045	-0.002	-0.036	-0.005	0.719	1.737	0.126	0.022
			0.689	1.255	-0.051	-0.380	-0.069	11.577	18.066	6.979	0.971
3062	SCCON	870630	0.013	0.312	-0.008	-0.063	-0.009	1.459	1.890	0.125	0.165
			0.709	8.796	-0.172	-0.659	-0.116	23.494	19.659	6.899	7.169
3079	SCCON	870707	0.034	0.124	-0.013	-0.060	-0.015	1.690	2.319	0.315	0.045
			1.802	3.494	-0.277	-0.625	-0.187	27.206	24.115	17.469	1.970
3121	SCCON	870728	0.054	0.208	-0.001	-0.080	-0.009	3.386	6.244	0.730	0.052
			2.831	5.868	-0.018	-0.842	-0.109	54.515	64.938	40.457	2.276
3160	SCCON	870804	0.029	0.171	-0.001	-0.087	-0.005	1.835	3.214	0.260	0.061
			1.546	4.834	-0.022	-0.912	-0.068	29.549	33.426	14.409	2.661
3177	SCCON	870818	0.060	0.261	-0.004	-0.077	-0.009	3.246	6.275	0.547	0.120
			3.139	7.357	-0.084	-0.805	-0.116	52.260	65.260	30.291	5.221
3194	SCCON	870825	0.014	0.132	-0.006	-0.074	-0.009	1.218	2.098	0.163	0.051
			0.734	3.715	-0.127	-0.774	-0.113	19.610	21.815	9.051	2.224
3217	SCCON	870901	0.005	0.236	-0.000	-0.065	0.027	0.319	0.690	0.055	0.130
			0.242	6.665	-0.010	-0.686	0.335	5.139	7.180	3.044	5.656

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3237	SCCON	870908	0.013	0.144	-0.001	-0.043	-0.010	0.881	2.291	0.145	0.087
			0.663	4.071	-0.027	-0.452	-0.122	14.192	23.829	8.027	3.780
3265	SCCON	870915	0.053	0.507	-0.002	-0.091	-0.004	4.720	11.103	0.705	0.281
			2.784	14.292	-0.041	-0.957	-0.049	75.992	115.473	39.036	12.215
3271	SCCON	870922									
3282	SCCON	870929	0.006	0.443	-0.004	-0.078	-0.007	0.301	1.009	0.052	0.238
			0.307	12.485	-0.088	-0.823	-0.084	4.846	10.496	2.897	10.352
3318	SCCON	871020	0.004	0.258	-0.002	-0.040	-0.026	0.227	0.503	0.044	0.138
			0.207	7.275	-0.041	-0.417	-0.329	3.650	5.230	2.428	6.024
3344	SCCON	871103	0.007	0.760	-0.002	-0.073	-0.012	0.256	0.611	0.044	0.427
			0.363	21.437	-0.052	-0.770	-0.150	4.117	6.357	2.425	18.570
3373	SCCON	871110	0.029	0.766	-0.006	0.023	-0.013	2.592	2.263	0.361	0.510
			1.509	21.611	-0.126	0.246	-0.162	41.737	23.533	19.992	22.180
3374	SCCON	871117	-0.005	1.786	-0.006	0.013	-0.013	0.258	0.686	0.037	0.984
			-0.239	50.354	-0.126	0.136	-0.169	4.152	7.138	2.050	42.810
3393	SCCON	871124	-0.007	1.103	-0.018	0.022	-0.036	0.313	0.922	0.035	0.625
			-0.354	31.100	-0.395	0.227	-0.447	5.037	9.587	1.962	27.186
3451	SCCON	871208	-0.015	0.724	-0.003	0.007	-0.007	0.698	1.120	0.123	0.437
			-0.794	20.418	-0.063	0.071	-0.084	11.238	11.644	6.802	19.004
3452	SCCON	871215	-0.014	0.228	-0.003	0.016	-0.008	0.726	1.075	0.225	0.142
			-0.746	6.429	-0.072	0.170	-0.096	11.682	11.176	12.445	6.158
3469	SCCON	871222	0.014	1.129	-0.006	0.016	-0.013	0.997	1.979	0.226	0.660
			0.724	31.842	-0.122	0.173	-0.164	16.046	20.584	12.529	28.689
3503	SCCON	871229	-0.002	0.160	-0.072	0.016	-0.128	0.473	0.814	0.076	0.094
			-0.111	4.499	-1.558	0.171	-1.602	7.608	8.469	4.232	4.109

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2863	SCCON	870428	0.096	0.371	0.036
			2.463	9.266	1.466
2867	SCCON	870421	0.199	0.474	0.106
			5.091	11.835	4.369
2891	SCCON	870505	0.134	0.169	0.169
			3.429	4.224	6.935
2907	SCCON	870512	0.057	0.113	0.058
			1.461	2.811	2.387
2930	SCCON	870519	0.230	0.254	0.064
			5.889	6.330	2.629
2944	SCCON	870526	0.067	0.087	0.038
			1.720	2.169	1.555
2961	SCCON	870602	0.022	-0.013	0.006
			0.564	-0.336	0.238
2981	SCCON	870609	0.010	0.021	0.006
			0.267	0.532	0.255
3015	SCCON	870616	0.021	0.084	0.025
			0.539	2.096	1.036
3035	SCCON	870623	0.007	0.022	0.004
			0.181	0.552	0.161
3062	SCCON	870630	0.021	0.108	0.026
			0.540	2.704	1.066
3079	SCCON	870707	0.034	0.085	0.016
			0.863	2.113	0.643
3121	SCCON	870728	0.039	0.200	0.022
			1.005	4.978	0.885
3160	SCCON	870804	0.036	0.089	0.019
			0.908	2.219	0.802
3177	SCCON	870818	0.057	0.334	0.048
			1.446	8.333	1.992
3194	SCCON	870825	0.008	0.029	0.009
			0.209	0.725	0.360
3217	SCCON	870901	0.025	-0.008	0.013
			0.631	-0.191	0.542

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
3237	SCCON	870908	0.047	0.010	0.004
			1.199	0.254	0.185
3265	SCCON	870915	0.153	0.221	0.044
			3.920	5.518	1.796
3271	SCCON	870922			
3282	SCCON	870929	0.015	-0.012	0.028
			0.394	-0.303	1.170
3310	SCCON	871020	0.046	0.018	0.011
			1.170	0.438	0.455
3344	SCCON	871103	0.064	0.060	0.054
			1.645	1.491	2.222
3373	SCCON	871110	0.167	0.082	0.050
			4.261	2.040	2.056
3374	SCCON	871117	0.064	0.053	0.120
			1.627	1.314	4.934
3393	SCCON	871124	0.052	0.031	0.071
			1.327	0.775	2.911
3451	SCCON	871208	0.072	0.079	0.053
			1.848	1.971	2.173
3452	SCCON	871215	0.079	0.042	0.013
			2.020	1.051	0.555
3469	SCCON	871222	0.146	0.046	0.063
			3.745	1.143	2.605
3503	SCCON	871229	0.030	0.022	0.008
			0.762	0.538	0.336

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2524	SCDEL	870106		845	870113	900	870122			70.00	
2546	SCDEL	870113		900	870120	1400	870128			4123.00	13.5
2601	SCDEL	870120		1400	870127	1525	870213			2736.00	14.1
2602	SCDEL	870127		1525	870203	1000	870213			651.00	25.6
2623	SCDEL	870203		1000	870210	1500	870220			792.00	14.0
2641	SCDEL	870210		1500	870217	1208	870225			41.00	
2658	SCDEL	870217		1030	870224		870303			164.00	31.2
2676	SCDEL	870224		1400	870303	1130	870310			2227.00	26.9
2699	SCDEL	870303		1130	870310	1330	870319			666.00	16.1
2726	SCDEL	870310		1322	870317	1612	870326			107.00	39.1
2747	SCDEL	870317		1612	870324	1200	870331			655.00	30.7
2768	SCDEL	870324		1200	870331	800	870407			4331.00	12.2
2797	SCDEL	870331		800	870407	1500	870414	4	0.27	454.00	29.1
2844	SCDEL	870414		1330	870421	1220	870504			1299.00	48.4

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2524	SCDEL	870106		3		1.05	1.01	60.0	4.02		47.4
2546	SCDEL	870113	4.64			1.18	1.12	575.0	4.70	25.9	9.0
2601	SCDEL	870120	4.53			1.09	1.16	550.0	4.52	35.6	12.1
2602	SCDEL	870127	4.35			1.05	1.04	550.0	4.42	45.2	22.1
2623	SCDEL	870203	4.64	3		1.04	1.13	550.0	4.70	25.4	10.9
2641	SCDEL	870210		3	99	9999.00	9999.00	40.0	4.01		
2658	SCDEL	870217	4.21	3	21	1.09	1.04	120.0	4.25	63.9	27.3
2676	SCDEL	870224	4.28			1.06	1.02	550.0	4.34	52.4	24.4
2699	SCDEL	870303	4.49			0.97	1.15	530.0	4.57	31.6	12.7
2726	SCDEL	870310	3.97			1.10	1.01	75.0	4.17		33.6
2747	SCDEL	870317	4.21	3		1.08	1.03	575.0	4.26	60.8	28.0
2768	SCDEL	870324	4.73			1.12	1.09	550.0	4.52	36.5	14.2
2797	SCDEL	870331	4.23	3		1.07	1.04	410.0	4.28	60.2	26.1
2844	SCDEL	870414	4.06	3	3399	9999.00	9999.00	525.0	4.11		

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2524	SCDEL	870106	0.042	0.622	0.035	0.047	-0.008	2.850	4.196	0.351	0.424
			2.211	17.546	0.755	0.496	-0.104	45.893	43.637	19.430	18.453
2546	SCDEL	870113	0.011	0.163	-0.005	0.032	-0.007	0.584	0.907	0.095	0.043
			0.569	4.597	-0.118	0.340	-0.092	9.398	9.428	5.279	1.858
2601	SCDEL	870120	0.011	0.111	-0.034	0.034	-0.032	0.633	1.239	0.064	0.064
			0.583	3.136	-0.732	0.352	-0.399	10.189	12.083	3.559	2.791
2602	SCDEL	870127	0.016	0.782	-0.003	0.040	-0.004	1.300	2.237	0.225	0.501
			0.856	22.057	-0.075	0.417	-0.046	20.924	23.266	12.480	21.773
2623	SCDEL	870203	-0.004	0.898	-0.007	0.041	-0.008	0.627	0.707	-0.016	0.502
			-0.222	25.324	-0.158	0.432	-0.105	10.087	7.350	-0.864	21.841
2641	SCDEL	870210	0.049	0.581	-0.003	0.652	-0.006	5.826	7.054		
			2.580	16.378	-0.057	6.844	-0.081	93.795	73.364		
2658	SCDEL	870217	0.022	0.138	-0.007	-0.030	-0.023	1.802	2.783	0.182	0.093
			1.139	3.896	-0.149	-0.320	-0.289	29.009	28.938	10.075	4.038
2676	SCDEL	870224	0.004	0.617	-0.023	-0.133	-0.028	1.343	2.309	0.236	0.355
			0.234	17.401	-0.503	-1.393	-0.351	21.627	24.042	13.053	15.424
2699	SCDEL	870303	0.011	0.567	-0.002	-0.056	-0.006	0.812	1.020	0.090	0.351
			0.554	15.994	-0.036	-0.585	-0.079	13.072	10.610	4.960	15.266
2726	SCDEL	870310	0.020	0.369	-0.002	0.060	-0.013	4.810	1.123	0.139	0.377
			1.038	10.397	-0.038	0.631	-0.163	77.562	11.676	7.682	16.406
2747	SCDEL	870317	0.012	0.434	-0.007	0.068	-0.010	1.561	2.776	0.247	0.236
			0.637	12.228	-0.157	0.711	-0.126	25.131	28.867	13.661	10.258
2768	SCDEL	870324	0.010	0.235	-0.015	0.068	-0.030	0.828	1.433	0.119	0.141
			0.504	6.626	-0.328	0.714	-0.376	13.338	14.899	6.617	6.114
2797	SCDEL	870331	0.016	0.159	-0.040	0.065	-0.023	1.744	2.636	0.338	0.103
			0.829	4.485	-0.871	0.677	-0.294	28.086	27.411	18.747	4.480
2844	SCDEL	870414									

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2524	SCDEL	870106	0.135	0.173	0.044
			3.451	4.322	1.819
2546	SCDEL	870113	0.013	0.024	0.011
			0.330	0.604	0.440
2601	SCDEL	870120	0.025	0.002	0.006
			0.643	0.049	0.267
2602	SCDEL	870127	0.108	0.146	0.067
			2.770	3.638	2.754
2623	SCDEL	870203	0.024	0.044	0.059
			0.604	1.106	2.433
2641	SCDEL	870210			
2650	SCDEL	870217	0.064	0.230	0.022
			1.628	5.734	0.898
2676	SCDEL	870224	0.049	0.099	0.045
			1.251	2.480	1.837
2699	SCDEL	870303	0.035	0.031	0.039
			0.887	0.784	1.617
2726	SCDEL	870310	0.094	0.127	0.048
			2.410	3.171	1.975
2747	SCDEL	870317	0.041	0.160	0.035
			1.044	3.994	1.436
2768	SCDEL	870324	0.023	0.037	0.018
			0.581	0.929	0.760
2797	SCDEL	870331	0.072	0.112	0.021
			1.830	2.806	0.853
2844	SCDEL	870414			

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2064	SCDEL	870428		730	870505	750	870511			980.000	23.700
2068	SCDEL	870421		1230	870428	730	870512			1465.000	41.300
2908	SCDEL	870512		1036	870519	930	870528			36.000	
2945	SCDEL	870526		1245	870602	800	870609	2	0.020	25.000	
2962	SCDEL	870602		800	870609	1030	870616			3554.000	21.600
2982	SCDEL	870609		1030	870616	645	870624	3		1900.000	71.200
3016	SCDEL	870616		645	870623	1010	870630			2755.000	14.400
3036	SCDEL	870623		1010	870630	1020	870707			312.000	69.500
3063	SCDEL	870630		1020	870707	1015	870715			1873.000	14.600
3104	SCDEL	870721		1245	870728	1500	870804			387.000	63.100
3122	SCDEL	870728		1600	870804	1205	870811	2		1040.000	65.200
3161	SCDEL	870804		1205	870811	1016	870825	3	0.490	926.000	44.900
3195	SCDEL	870825		1232	870901		870910	1	0.140	285.000	50.000
3209	SCDEL	870901		930	870908	1007	870915			7764.000	6.000
3246	SCDEL	870908		1007	870915	800	870926			3626.000	37.800
3263	SCDEL	870915		800	870922	745	870929			182.000	38.300
3272	SCDEL	870922		745	870929	1030	871009			13.000	

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3283	SCDEL	870929		1030	871006	1430	871015			3.000	
3319	SCDEL	871020		1100	871027	1155	871104			1670.000	7.800
3345	SCDEL	871103		1115	871110	930	871117			1648.000	6.900
3375	SCDEL	871117		1100	871124	1044	871130			410.000	7.100
3381	SCDEL	871110		920	871117	1100	871202			1179.000	
3394	SCDEL	871124		1042	871201	1100	871209	2		2889.000	7.800
3453	SCDEL	871208		1030	871215	1230	880105			2321.000	23.700
3454	SCDEL	871215		1230	871222	1107	880105			1252.000	9.800
3470	SCDEL	871222		1107	871229	900	880108			1041.000	44.500
3514	SCDEL	871229		900	880105	1000	880121			2434.000	16.600

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2864	SCDEL	870428	4.410	3.000	32.000	1.036	1.016	525.000	4.450	44.200	21.262
2868	SCDEL	870421	4.250	3.000	3233.000	1.061	0.964	550.000	4.160	78.800	40.704
2908	SCDEL	870512		13.000	333499.000	9999.000	9999.000	30.000	6.470		
2945	SCDEL	870526		3.000	99.000	9999.000	9999.000	25.000	3.880		
2962	SCDEL	870602	4.340	3.000		1.134	1.010	525.000	4.380	51.000	19.595
2982	SCDEL	870609	3.850	3.000	34.000	1.064	0.966	475.000	3.890	151.000	68.112
3016	SCDEL	870616	4.460	3.000		1.042	1.097	550.000	4.550	33.900	12.243
3036	SCDEL	870623	3.800	1.000		1.075	0.975	265.000	3.870	151.800	65.654
3063	SCDEL	870630	4.500	3.000	34.000	0.990	1.072	550.000	4.600	32.200	12.060
3104	SCDEL	870721	6.760	3.000	3299.000	9999.000	9999.000	350.000	6.570		
3122	SCDEL	870728	3.840	3.000	3334.000	1.051	1.028	550.000	3.900	136.600	60.979
3161	SCDEL	870804	3.890	3.000		1.064	1.021	550.000	4.070	95.900	39.312
3195	SCDEL	870825	4.020	3.000		1.079	1.020	240.000	4.030	106.800	44.735
3209	SCDEL	870901	5.070			0.959	1.312	525.000	5.000	15.200	4.364
3246	SCDEL	870908	4.100			1.102	0.994	525.000	4.140	85.600	34.268
3263	SCDEL	870915	4.260	3.000		1.063	1.005	115.000	4.330	56.600	33.682
3272	SCDEL	870922		3.000		9999.000	9999.000	5.000	6.850		

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3283	SCDEL	870929			1099.000	9999.000	9999.000	1.000	6.360		
3319	SCDEL	871020	4.770			0.965	1.169	530.000	4.830	18.900	6.352
3345	SCDEL	871103	5.000	3.000		0.956	1.255	550.000	4.990	17.500	5.860
3375	SCDEL	871117	4.970	3.000		0.953	1.203	375.000	5.040	18.800	5.320
3381	SCDEL	871110	4.550			1.039	1.075	530.000	4.590	30.700	14.720
3394	SCDEL	871124	4.870			1.044	1.130	550.000	4.960	18.500	6.373
3453	SCDEL	871208	4.370			0.975	1.110	525.000	4.360	46.000	21.686
3454	SCDEL	871215	4.670	3.000		1.172	1.272	525.000	4.730	22.100	6.698
3470	SCDEL	871222	4.020	3.000		0.998	1.076	550.000	4.070	88.900	42.425
3514	SCDEL	871229	4.430			0.978	1.257	530.000	4.410	39.200	14.212

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2864	SCDEL	870428	0.023	0.096	-0.013	0.056	-0.038	1.627	2.445	0.529	0.049
			1.192	2.714	-0.289	0.591	-0.480	26.190	25.433	29.318	2.110
2868	SCDEL	870421	0.026	0.193	-0.016	0.067	-0.048	2.926	4.168	0.735	0.077
			1.389	5.445	-0.350	0.699	-0.597	47.113	43.351	40.746	3.342
2908	SCDEL	870512									
2945	SCDEL	870526									
2962	SCDEL	870602	0.022	0.084	-0.007	0.086	-0.005	1.127	1.721	0.170	0.030
			1.178	2.355	-0.147	0.906	-0.058	18.151	17.903	9.393	1.296
2982	SCDEL	870609	0.055	0.441	-0.005	-0.058	-0.017	3.859	6.544	0.805	0.167
			2.916	12.431	-0.113	-0.610	-0.210	62.129	68.058	44.600	7.258
3016	SCDEL	870616	0.014	0.109	-0.004	-0.014	-0.014	0.841	1.088	0.083	0.069
			0.719	3.067	-0.089	-0.148	-0.174	13.540	11.313	4.589	3.013
3036	SCDEL	870623	0.043	0.266	-0.002	-0.037	-0.005	3.796	5.713	0.512	0.084
			2.260	7.493	-0.048	-0.390	-0.068	61.113	59.420	28.370	3.647
3063	SCDEL	870630	0.013	0.108	-0.008	-0.062	-0.010	0.801	1.189	0.156	0.067
			0.702	3.043	-0.173	-0.654	-0.121	12.893	12.362	8.626	2.917
3104	SCDEL	870721									
3122	SCDEL	870728	0.049	0.239	-0.012	-0.075	-0.020	3.219	6.438	0.812	0.099
			2.594	6.748	-0.251	-0.788	-0.250	51.826	66.951	44.996	4.312
3161	SCDEL	870804	0.036	0.146	-0.001	-0.088	-0.007	2.635	3.323	0.325	0.046
			1.894	4.110	-0.023	-0.926	-0.086	42.417	34.556	18.005	2.001
3195	SCDEL	870825	0.029	0.314	-0.006	-0.063	-0.014	2.507	4.350	0.402	0.155
			1.506	8.863	-0.129	-0.666	-0.171	40.360	45.235	22.271	6.747
3209	SCDEL	870901	-0.002	0.190	-0.005	-0.069	-0.018	0.315	0.480	0.093	0.101
			-0.097	5.372	-0.116	-0.726	-0.225	5.064	4.996	5.171	4.405
3246	SCDEL	870908	0.018	0.107	-0.002	-0.048	-0.014	1.214	3.655	0.291	0.034
			0.958	3.014	-0.038	-0.505	-0.177	19.551	38.013	16.127	1.458
3263	SCDEL	870915	0.042	0.402	-0.002	-0.090	-0.003	2.850	4.326	0.940	0.247
			2.211	11.326	-0.042	-0.948	-0.043	45.880	44.990	52.066	10.760
3272	SCDEL	870922									

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3283	SCDEL	870929									
3319	SCDEL	871020	0.007	0.072	-0.002	-0.041	-0.025	0.256	0.773	0.085	0.044
			0.347	2.018	-0.041	-0.434	-0.317	4.119	8.043	4.701	1.933
3345	SCDEL	871103	0.007	0.548	-0.002	-0.075	-0.011	0.251	0.601	0.070	0.303
			0.387	15.441	-0.052	-0.784	-0.142	4.045	6.253	3.887	13.192
3375	SCDEL	871117	-0.005	0.171	0.020	0.023	-0.015	0.497	0.620	0.163	0.121
			-0.249	4.830	0.440	0.241	-0.187	8.004	6.447	9.008	5.245
3381	SCDEL	871110	-0.005	0.873	-0.006	0.014	-0.018	0.957	1.144	0.100	0.506
			-0.272	24.628	-0.122	0.150	-0.231	15.411	11.902	5.552	22.014
3394	SCDEL	871124	-0.007	0.448	-0.020	0.024	-0.037	0.389	0.537	0.063	0.265
			-0.356	12.620	-0.430	0.256	-0.459	6.263	5.587	3.500	11.542
3453	SCDEL	871208	-0.013	0.716	-0.004	0.009	-0.009	1.255	2.086	0.224	0.436
			-0.699	20.195	-0.080	0.094	-0.108	20.205	21.694	12.433	18.969
3454	SCDEL	871215	-0.013	0.057	-0.004	0.017	-0.009	0.681	0.584	-0.128	0.030
			-0.675	1.620	-0.085	0.178	-0.114	10.965	6.071	-7.073	1.299
3470	SCDEL	871222	0.021	1.336	-0.005	-0.012	-0.013	2.516	3.707	0.408	0.831
			1.089	37.662	-0.118	-0.125	-0.159	40.515	38.548	22.630	36.134
3514	SCDEL	871229	0.009	0.224	-0.008	0.024	-0.028	0.834	1.343	0.061	0.128
			0.465	6.321	-0.180	0.248	-0.350	13.426	13.966	3.393	5.579

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2864	SCDEL	870428	0.035	0.204	0.027
			0.904	5.090	1.101
2868	SCDEL	870421	0.094	0.319	0.043
			2.406	7.970	1.780
2908	SCDEL	870512			
2945	SCDEL	870526			
2962	SCDEL	870602	0.016	0.002	0.007
			0.418	0.059	0.301
2982	SCDEL	870609	0.170	0.266	0.044
			4.355	6.648	1.813
3016	SCDEL	870616	0.011	0.032	0.012
			0.289	0.793	0.474
3036	SCDEL	870623	0.080	0.142	0.022
			2.041	3.535	0.909
3063	SCDEL	870630	0.019	0.080	0.011
			0.486	1.993	0.454
3104	SCDEL	870721			
3122	SCDEL	870728	0.066	0.155	0.028
			1.693	3.858	1.147
3161	SCDEL	870804	0.041	0.085	0.011
			1.046	2.128	0.453
3195	SCDEL	870825	0.108	0.102	0.019
			2.762	2.550	0.800
3209	SCDEL	870901	0.008	0.012	0.012
			0.205	0.297	0.512
3246	SCDEL	870908	0.016	0.013	-0.003
			0.411	0.323	-0.103
3263	SCDEL	870915	0.219	0.420	0.059
			5.600	10.483	2.443
3272	SCDEL	870922			

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3283	SCDEL	870929			
3319	SCDEL	871020	0.021	0.023	0.005
			0.542	0.584	0.198
3345	SCDEL	871103	0.029	0.050	0.042
			0.733	1.246	1.716
3375	SCDEL	871117	0.059	0.047	0.013
			1.521	1.163	0.542
3381	SCDEL	871110	0.061	0.045	0.061
			1.552	1.122	2.523
3394	SCDEL	871124	0.050	0.014	0.020
			1.268	0.340	0.837
3453	SCDEL	871208	0.042	0.117	0.057
			1.079	2.917	2.328
3454	SCDEL	871215	0.022	0.019	0.004
			0.559	0.463	0.169
3470	SCDEL	871222	0.060	0.085	0.097
			1.523	2.109	3.973
3514	SCDEL	871229	0.021	0.016	0.014
			0.538	0.402	0.587

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2506	SCLON	870106		1000	870113	1000	870121			347.00	68.1
2547	SCLON	870113		1000	870120	1030	870128			2141.00	13.4
2603	SCLON	870120		1030	870127	1030	870213			3257.00	9.9
2606	SCLON	870127		1030	870203	930	870217			791.00	19.1
2624	SCLON	870203		930	870210	900	870220			167.00	13.7
2632	SCLON	870210		900	870217	900	870223			2272.00	33.4
2711	SCLON	870217		1000	870310	1100	870320			2372.50	17.1
2734	SCLON	870310		1000	870317	1100	870326			53.00	
2746	SCLON	870317		1130	870324	1100	870331			1724.00	30.9
2769	SCLON	870324		1100	870331	1100	870407			5032.00	15.2
2798	SCLON	870331		1100	870407	1030	870414			1724.00	44.2
2828	SCLON	870407		930	870414	930	870422			241.00	35.0
2842	SCLON	870414		930	870421	930	870430			2217.00	23.6

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2506	SCLON	870106	3.84	3		1.00	0.97	347.0	3.91	134.4	64.0
2547	SCLON	870113	4.58	3		1.08	1.12	525.0	4.61	31.2	10.8
2603	SCLON	870120	4.71	3		1.12	1.12	525.0	4.72	23.6	8.5
2606	SCLON	870127	4.34	3		1.05	1.09	525.0	4.46	40.9	17.2
2624	SCLON	870203	4.63	3		1.05	1.13	130.0	4.71	24.8	10.4
2632	SCLON	870210	4.17	3		1.05	1.05	525.0	4.24	65.3	27.9
2711	SCLON	870217	4.41	3	21	1.07	1.11	550.0	4.47	39.0	15.5
2734	SCLON	870310		3	2199	9999.00	9999.00	53.0	3.60		
2746	SCLON	870317	4.22	3		1.08	1.02	550.0	4.28	60.7	27.5
2769	SCLON	870324	4.53	3		1.06	1.12	500.0	4.55	32.4	13.1
2798	SCLON	870331	4.03	3	2133	1.06	1.00	525.0	4.10	90.8	40.5
2828	SCLON	870407	4.16	3	33	1.03	1.03	210.0	4.27	64.0	30.2
2842	SCLON	870414	4.40	3	33	1.07	0.99	525.0	4.44	44.6	21.7

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2506	SCLON	870106	0.031	0.355	-0.046	0.031	-0.010	3.767	5.842	0.986	0.181
			1.638	10.005	-1.004	0.330	-0.129	60.644	60.754	54.647	7.882
2547	SCLON	870113	-0.003	0.173	-0.005	0.035	-0.007	0.650	1.037	0.065	0.090
			-0.162	4.874	-0.116	0.372	-0.091	10.468	10.785	3.612	3.902
2603	SCLON	870120	0.013	0.157	-0.003	0.050	-0.004	0.692	0.632	0.077	0.075
			0.689	4.428	-0.075	0.529	-0.047	11.137	6.573	4.270	3.283
2606	SCLON	870127	0.013	0.458	-0.010	0.044	-0.033	0.945	1.736	0.167	0.289
			0.666	12.915	-0.223	0.458	-0.411	15.223	18.050	9.249	12.556
2624	SCLON	870203	0.018	0.634	-0.006	0.031	-0.003	0.775	0.704	0.030	0.345
			0.941	17.874	-0.120	0.325	-0.034	12.477	7.317	1.648	15.026
2632	SCLON	870210	0.019	0.246	-0.004	0.036	0.028	1.388	2.986	0.340	0.141
			1.015	6.934	-0.093	0.379	0.345	22.352	31.055	18.847	6.142
2711	SCLON	870217	0.009	0.092	-0.001	0.051	-0.008	1.181	1.533	0.202	0.053
			0.476	2.598	-0.014	0.536	-0.106	19.013	15.940	11.178	2.294
2734	SCLON	870310									
2746	SCLON	870317	0.013	0.321	-0.007	0.070	-0.010	1.726	2.816	0.353	0.166
			0.683	9.041	-0.152	0.732	-0.129	27.790	29.289	19.569	7.231
2769	SCLON	870324	0.008	0.215	-0.015	0.067	-0.031	0.704	1.383	0.167	0.115
			0.428	6.070	-0.334	0.704	-0.388	11.340	14.385	9.236	5.004
2798	SCLON	870331	0.015	0.177	-0.038	0.059	-0.023	2.865	3.782	0.594	0.078
			0.766	5.001	-0.833	0.617	-0.291	46.127	39.337	32.908	3.390
2828	SCLON	870407	0.021	0.208	-0.005	-0.061	-0.009	2.340	3.325	0.506	0.117
			1.112	5.865	-0.106	-0.639	-0.108	37.681	34.576	28.019	5.069
2842	SCLON	870414	0.010	0.268	-0.007	-0.059	-0.012	1.249	2.556	0.466	0.198
			0.508	7.566	-0.160	-0.617	-0.145	20.104	26.577	25.793	8.595

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2506	SCLON	870106	0.059 1.516	0.121 3.014	0.028 1.137
2547	SCLON	870113	0.012 0.299	0.041 1.020	0.013 0.542
2603	SCLON	870120	0.017 0.430	0.002 0.040	0.009 0.386
2606	SCLON	870127	0.029 0.745	0.066 1.655	0.037 1.524
2624	SCLON	870203	0.036 0.909	0.082 2.056	0.046 1.886
2632	SCLON	870210	0.112 2.853	0.079 1.967	0.012 0.489
2711	SCLON	870217	0.013 0.343	0.073 1.826	0.010 0.408
2734	SCLON	870310			
2746	SCLON	870317	0.046 1.180	0.169 4.207	0.028 1.157
2769	SCLON	870324	0.024 0.618	0.045 1.124	0.013 0.536
2798	SCLON	870331	0.041 1.058	0.138 3.446	0.022 0.805
2828	SCLON	870407	0.143 3.653	0.331 8.255	0.050 2.062
2842	SCLON	870414	0.047 1.195	0.096 2.392	-0.002 -0.076

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2879	SCLON	870428		930	870505	830	870513			164.000	44.400
2909	SCLON	870512		1000	870519	930	870528			3191.000	10.600
2929	SCLON	870519		1000	870526	1100	870602			704.000	23.500
2946	SCLON	870526		930	870602		870609			414.000	45.000
2963	SCLON	870602		840	870609	900	870616			855.000	49.500
2983	SCLON	870609		900	870616	845	870624			3755.000	38.500
3017	SCLON	870616		845	870623	830	870630	8	1.760	3505.000	16.400
3037	SCLON	870623		830	870630	1000	870707			3215.000	34.200
3059	SCLON	870630		1000	870707	930	870714			3300.000	22.400
3080	SCLON	870707		930	870714	1030	870722			80.000	
3105	SCLON	870721		930	870728	900	870804			221.000	79.200
3123	SCLON	870728		900	870804	900	870811			1342.000	45.800
3162	SCLON	870804	10.00	900	870811	900	870825			4642.000	33.300
3178	SCLON	870818		800	870825	915	870902	1	0.170	277.000	34.700
3204	SCLON	870929		930	871006	1000	871015	2	0.350	478.000	22.200
3320	SCLON	871020		915	871027	1015	871104	3	0.490	727.000	33.900
3348	SCLON	871103		1000	871110	1015	871118	2	1.450	2345.000	7.900

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3376	SCLON	871110		1015	871117	1030	871130	3	1.000	3099.000	16.700
3377	SCLON	871117		1030	871124	1400	871130	2	0.360	528.000	15.500
3395	SCLON	871124		1400	871201	1000	871209		0.720	907.000	0.900
3415	SCLON	871208		1200	871215	1000	871217	4	2.990	4812.000	27.800
3465	SCLON	871215		1000	871222	1030	880107	3	0.350	610.000	31.000
3466	SCLON	871222		1030	871229	1100	880107	5		2090.000	15.600
3504	SCLON	871229		1100	880105	1000	880120	4	0.760	747.000	13.200

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2879	SCLON	870428	4.300	23.000	323399.000	9999.000	9999.000	130.000	4.590		
2909	SCLON	870512	4.710			1.023	1.102	525.000	4.750	20.700	8.846
2929	SCLON	870519	4.310	3.000		0.995	1.074	550.000	4.320	54.100	20.574
2946	SCLON	870526	4.010	3.000		1.015	1.001	370.000	4.060	99.700	44.803
2963	SCLON	870602	3.960	3.000		1.114	0.935	520.000	4.020	112.600	48.830
2983	SCLON	870609	4.120	3.000		1.055	0.997	500.000	4.140	82.500	34.660
3017	SCLON	870616	4.420			1.060	1.103	525.000	4.490	35.300	14.192
3037	SCLON	870623	4.140	3.000		0.998	1.022	550.000	4.180	73.200	31.560
3059	SCLON	870630	4.300			1.093	1.031	500.000	4.360	52.200	19.770
3080	SCLON	870707		3.000		1.080	1.059	75.000	4.150	81.700	31.394
3105	SCLON	870721	3.760	3.000	33.000	1.068	1.022	180.000	3.810	169.300	73.084
3123	SCLON	870728	4.030	3.000		1.003	1.038	525.000	4.080	95.500	41.396
3162	SCLON	870804	4.050	3.000	3421.000	1.057	1.017	525.000	4.250	67.500	28.590
3178	SCLON	870818	4.190	3.000		1.093	1.054	250.000	4.160	69.700	30.676
3284	SCLON	870929	4.370	3.000		0.992	1.061	450.000	4.410	45.300	19.229
3320	SCLON	871020	4.130	3.000		1.043	1.008	540.000	4.180	76.600	33.207
3348	SCLON	871103	4.910	3.000		0.980	1.128	500.000	4.930	17.500	6.919

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3376	SCLON	871110	4.690	3.000	33.000	1.014	1.060	550.000	4.710	26.500	15.700
3377	SCLON	871117	4.530	3.000		1.043	1.094	525.000	4.580	29.600	13.516
3395	SCLON	871124	4.910	3.000		0.977	1.052	500.000	5.000	14.800	7.744
3415	SCLON	871208	4.290			1.026	1.079	550.000	4.270	58.700	26.349
3465	SCLON	871215	4.210	3.000	33.000	1.016	1.086	550.000	4.260	58.100	28.567
3466	SCLON	871222	4.400			0.898	1.362	550.000	4.390	45.200	13.502
3504	SCLON	871229	4.540	3.000		0.986	1.190	550.000	4.560	31.400	10.966

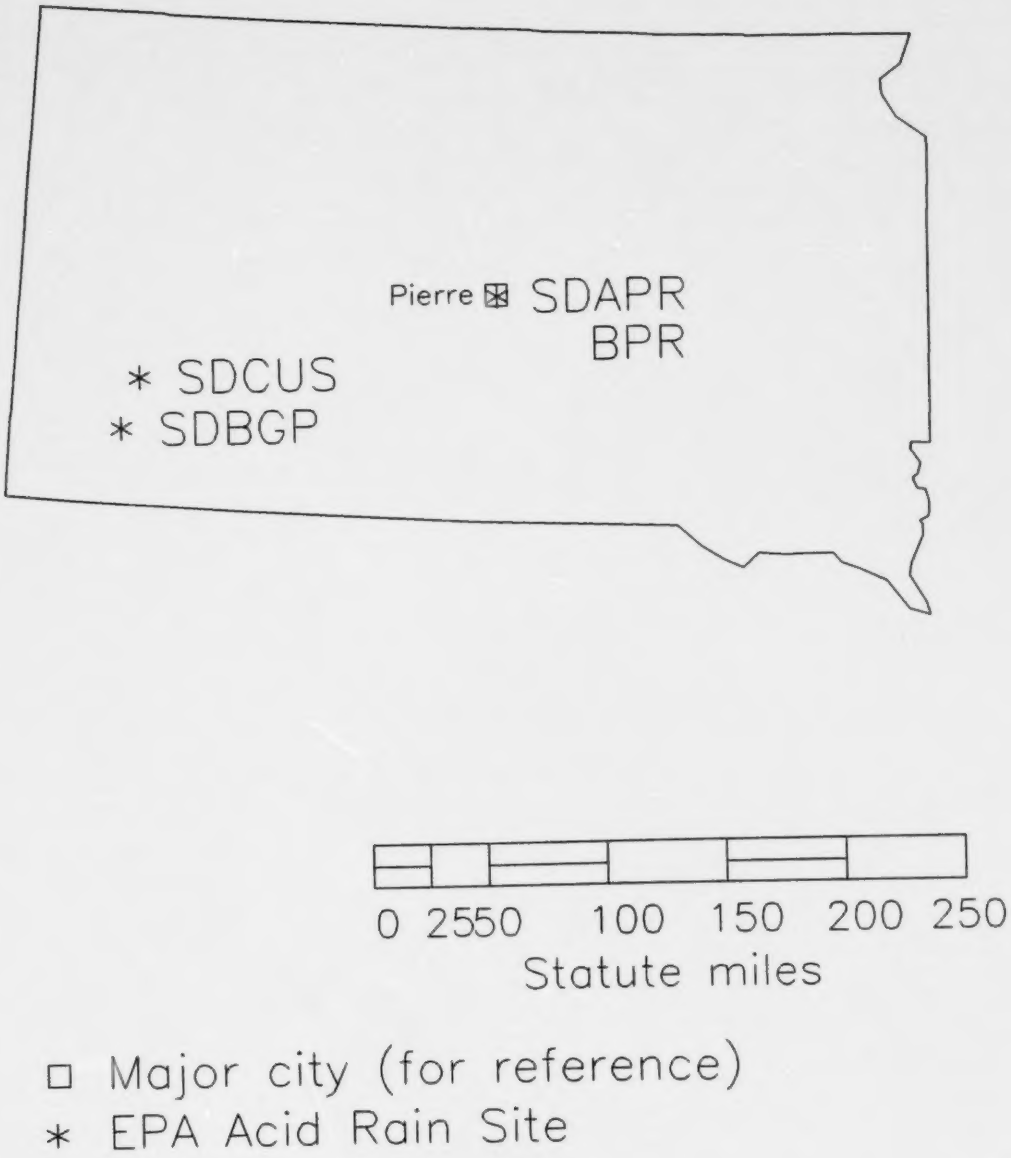
ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2879	SCLON	870428									
2909	SCLON	870512	-0.029	0.134	-0.010	0.061	-0.011	0.605	0.889	0.155	0.092
			-1.529	3.774	-0.216	0.641	-0.136	9.747	9.251	8.589	4.016
2929	SCLON	870519	0.025	0.066	-0.012	-0.053	-0.003	1.178	1.849	0.181	0.018
			1.333	1.868	-0.269	-0.559	-0.041	18.959	19.230	10.033	0.771
2946	SCLON	870526	0.063	0.301	-0.007	-0.058	-0.005	3.403	3.767	0.671	0.199
			3.306	8.485	-0.159	-0.611	-0.060	54.783	39.174	37.148	8.635
2963	SCLON	870602	0.035	0.180	-0.007	-0.062	-0.005	1.723	4.984	0.321	0.120
			1.846	5.085	-0.145	-0.651	-0.058	27.736	51.831	17.807	5.207
2983	SCLON	870609	0.026	0.103	-0.005	-0.057	-0.017	1.420	3.575	0.328	0.025
			1.346	2.901	-0.110	-0.596	-0.216	22.867	37.175	18.160	1.081
3017	SCLON	870616	0.011	0.098	-0.004	0.067	-0.013	0.892	1.339	0.143	0.059
			0.600	2.773	-0.092	0.700	-0.161	14.355	13.928	7.901	2.550
3037	SCLON	870623	0.024	0.089	-0.002	-0.038	-0.005	1.225	3.420	0.456	0.017
			1.249	2.497	-0.046	-0.401	-0.067	19.723	35.567	25.290	0.732
3059	SCLON	870630	0.015	0.111	-0.006	-0.063	-0.006	0.975	1.904	0.151	0.042
			0.803	3.130	-0.130	-0.660	-0.078	15.694	19.798	8.368	1.835
3080	SCLON	870707	0.037	0.197	-0.012	-0.067	-0.013	1.680	3.086	-0.002	0.111
			1.966	5.555	-0.263	-0.704	-0.157	27.045	32.095	-0.101	4.830
3105	SCLON	870721	0.057	0.176	-0.001	-0.081	-0.008	3.229	7.926	0.598	0.031
			2.990	4.959	-0.031	-0.853	-0.096	51.982	82.435	33.108	1.367
3123	SCLON	870728	0.048	0.132	-0.011	-0.075	-0.020	1.916	4.740	0.840	0.023
			2.512	3.718	-0.249	-0.790	-0.245	30.848	49.299	46.539	1.001
3162	SCLON	870804	0.027	0.088	-0.001	-0.088	-0.007	1.557	3.144	0.531	0.020
			1.401	2.486	-0.026	-0.920	-0.087	25.060	32.700	29.432	0.870
3178	SCLON	870818	0.029	0.104	-0.004	-0.075	-0.010	1.421	3.229	0.133	0.042
			1.533	2.925	-0.091	-0.793	-0.119	22.878	33.580	7.394	1.827
3284	SCLON	870929	0.014	0.388	-0.004	-0.078	-0.007	1.247	1.716	0.215	0.256
			0.743	10.932	-0.088	-0.822	-0.083	20.079	17.845	11.914	11.138
3320	SCLON	871020	0.016	0.356	-0.002	-0.042	-0.025	1.594	3.409	0.272	0.230
			0.848	10.026	-0.041	-0.443	-0.311	25.670	35.456	15.066	10.018
3348	SCLON	871103	-0.001	0.535	-0.017	-0.113	-0.010	0.396	0.553	0.050	0.292
			-0.078	15.099	-0.374	-1.182	-0.125	6.369	5.756	2.752	12.694

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3376	SCLON	871110	-0.005	1.700	-0.006	0.016	-0.015	0.528	1.293	0.133	0.953
			-0.252	47.954	-0.124	0.163	-0.193	8.493	13.448	7.346	41.472
3377	SCLON	871117	0.014	0.127	0.013	0.015	-0.016	0.823	1.669	0.260	0.088
			0.732	3.572	0.288	0.156	-0.200	13.250	17.354	14.386	3.820
3395	SCLON	871124	-0.007	0.527	-0.021	0.022	-0.038	0.707	0.570	0.053	0.355
			-0.358	14.854	-0.465	0.230	-0.470	11.388	5.929	2.913	15.436
3415	SCLON	871208	0.014	0.792	-0.003	-0.005	-0.008	1.565	2.341	0.246	0.422
			0.712	22.331	-0.068	-0.052	-0.094	25.195	24.343	13.613	18.368
3465	SCLON	871215	0.014	1.275	-0.006	0.007	-0.015	1.614	2.461	0.243	0.726
			0.713	35.962	-0.138	0.078	-0.188	25.983	25.600	13.460	31.596
3466	SCLON	871222	-0.007	0.232	-0.007	0.007	-0.016	0.592	1.458	0.087	0.118
			-0.365	6.537	-0.142	0.070	-0.194	9.531	15.167	4.814	5.150
3504	SCLON	871229	-0.002	0.153	-0.078	0.018	-0.138	0.492	1.173	0.082	0.085
			-0.104	4.317	-1.686	0.191	-1.732	7.916	12.199	4.565	3.703

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2879	SCLON	870428			
2909	SCLON	870512	0.031	0.025	0.011
			0.782	0.628	0.468
2929	SCLON	870519	0.025	0.031	0.007
			0.638	0.779	0.280
2946	SCLON	870526	0.080	0.107	0.040
			2.056	2.679	1.652
2963	SCLON	870602	0.039	0.075	0.023
			0.996	1.882	0.927
2983	SCLON	870609	0.045	0.067	0.009
			1.151	1.660	0.360
3017	SCLON	870616	0.007	0.031	0.009
			0.181	0.783	0.371
3037	SCLON	870623	0.025	0.047	0.004
			0.651	1.181	0.174
3059	SCLON	870630	0.006	-0.037	0.007
			0.164	-0.929	0.303
3080	SCLON	870707	0.074	0.244	0.030
			1.885	6.079	1.232
3105	SCLON	870721	0.072	0.335	0.051
			1.839	8.346	2.085
3123	SCLON	870728	0.019	0.079	0.011
			0.489	1.981	0.462
3162	SCLON	870804	0.016	0.048	0.006
			0.408	1.202	0.243
3178	SCLON	870818	0.023	0.134	0.018
			0.597	3.332	0.754
3204	SCLON	870929	0.036	0.057	0.032
			0.921	1.411	1.336
3320	SCLON	871020	0.098	0.136	0.039
			2.508	3.384	1.608
3348	SCLON	871103	0.034	0.045	0.042
			0.881	1.121	1.727

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3376	SCLON	871110	0.077 1.961	0.055 1.385	0.120 4.925
3377	SCLON	871117	0.067 1.706	0.079 1.980	0.011 0.464
3395	SCLON	871124	0.259 6.628	0.047 1.176	0.030 1.239
3415	SCLON	871208	0.050 1.285	0.071 1.764	0.055 2.244
3465	SCLON	871215	0.054 1.370	0.086 2.144	0.087 3.568
3466	SCLON	871222	0.027 0.680	-0.017 -0.421	0.012 0.478
3504	SCLON	871229	0.030 0.763	0.014 0.355	0.009 0.363

South Dakota


Pierre
SDAPR
BPR
* SDCUS
* SDBGP
0 2550 100 150 200 250
Statute miles
□ Major city (for reference)
* EPA Acid Rain Site

SOUTH DAKOTA

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
SDAPR	Pierre	Pierre	Hughes			33	100
SDBGP	Buffalo Gap	Hot Springs	Custer		JAN 87	1	100
SDBPR	Pierre Colocated	Pierre	Hughes			33	100
SDCUS	Custer National Park	Hermosa	Custer	SEPT -	DEC 87	8	100

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: SDAPR

Data Plots, Jan '87 - Dec '87

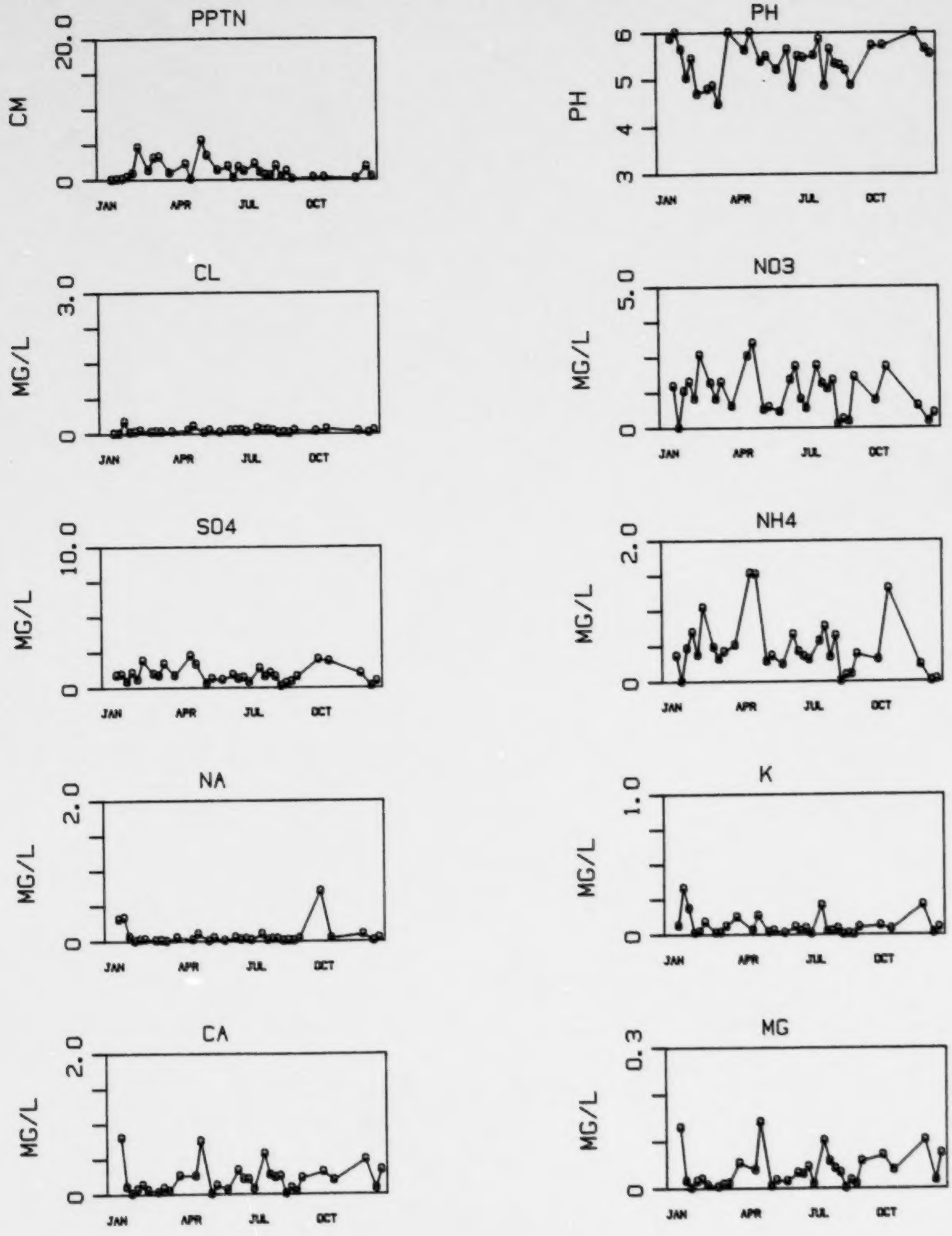


Figure 2-1 (continued)

SITE: SDBPR

Data Plots, Jan '87 - Dec '87

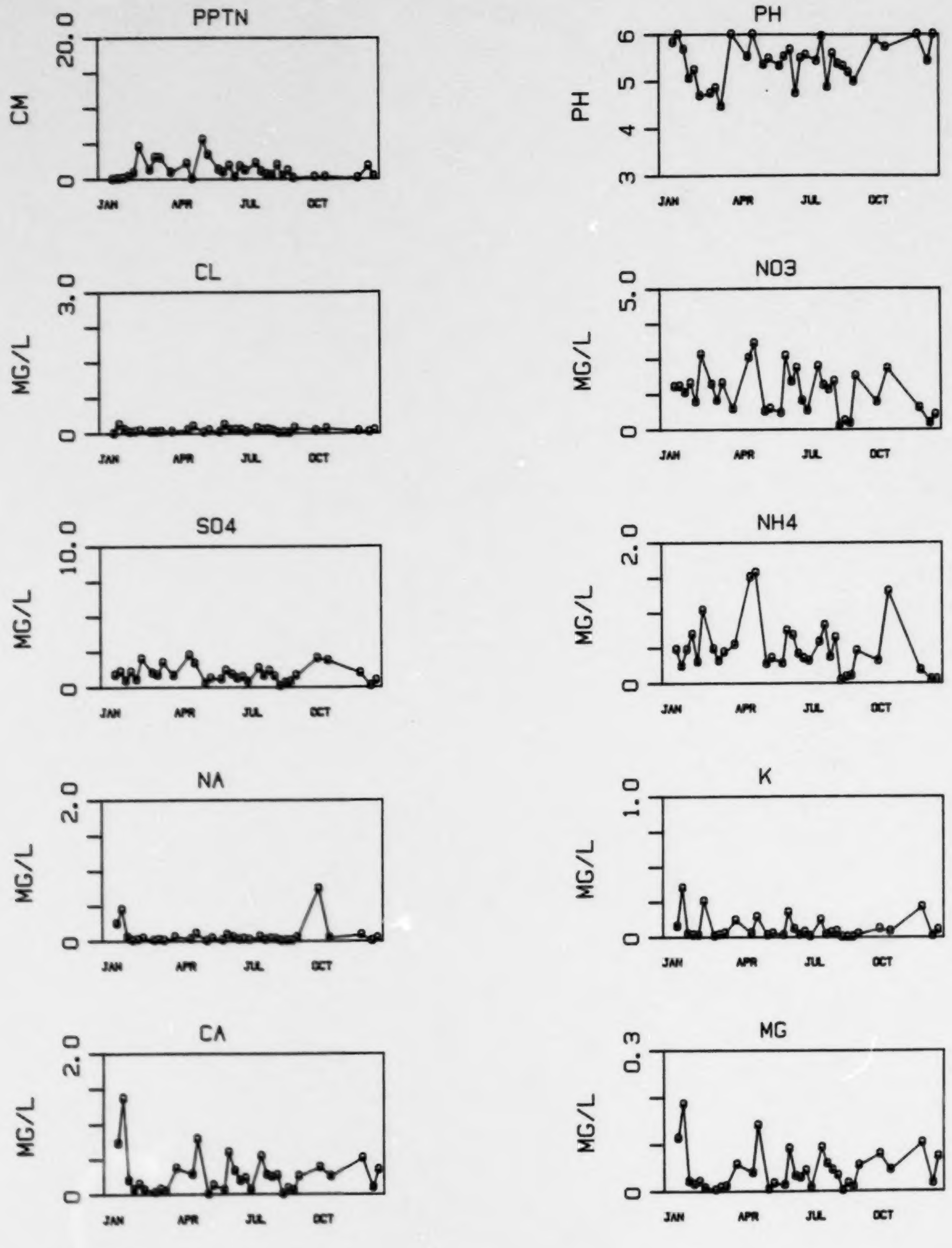
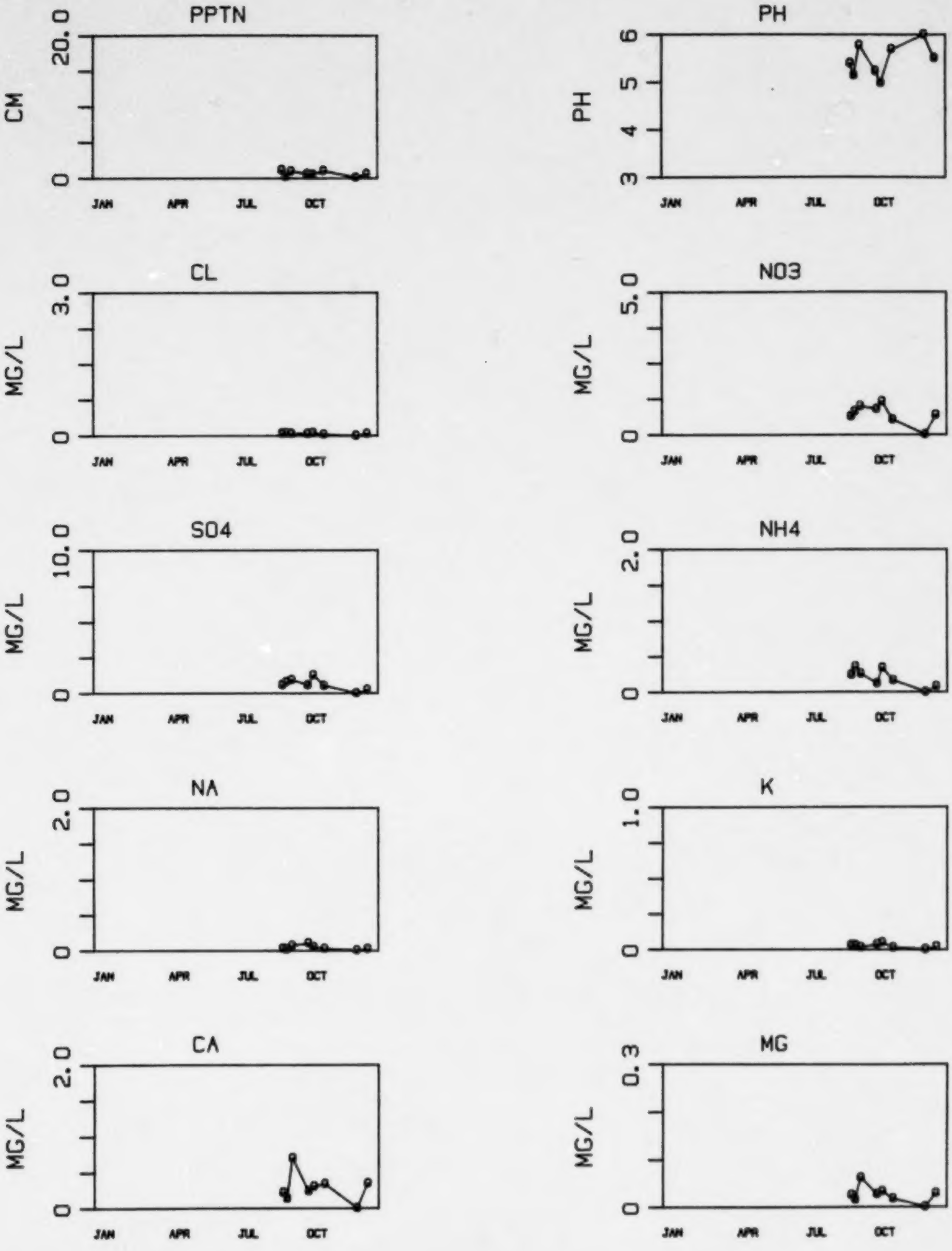


Figure 2-1 (continued)

SITE: SDCUS

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2572	SDAPR	870120	2.00	845	870127	915	870205	1	0.01	22.00	
2584	SDAPR	870127	1.00	915	870203	900	870209	1	0.03	26.00	
2628	SDAPR	870203	1.00	900	870210	915	870220	1	0.05	56.50	
2633	SDAPR	870210	1.00	915	870217	900	870223	1	0.15	225.00	10.8
2659	SDAPR	870217	1.00	900	870224	1500	870303	1	0.36	542.00	5.9
2674	SDAPR	870224	1.00	1500	870303	900	870309	5	1.81	2582.00	20.0
2718	SDAPR	870310	2.00	900	870317	900	870325	2	0.51	970.00	
2748	SDAPR	870317	2.00	900	870324	900	870331	4	1.20	2390.00	10.5
2770	SDAPR	870324	1.00	900	870331	900	870407	3		2175.00	21.0
2811	SDAPR	870407	2.00	900	870414	915	870420	4	0.37	558.50	6.9

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2572	SDAPR	870120		3		0.59	0.91	20.0	5.87		10.4
2584	SDAPR	870127		3		0.98	0.72	20.0	6.44		5.7
2620	SDAPR	870203	5.26	3		1.10	1.00	56.0	5.64		6.1
2633	SDAPR	870210	4.95	3		0.97	1.14	150.0	5.03	14.5	8.9
2659	SDAPR	870217	5.61			0.87	1.10	400.0	5.44	9.7	5.0
2674	SDAPR	870224	4.72	3	21	1.00	1.09	520.0	4.69	26.3	16.6
2718	SDAPR	870310				1.10	1.08	560.0	4.79	22.7	10.5
2748	SDAPR	870317	5.00			1.02	1.15	450.0	4.86	18.9	8.1
2770	SDAPR	870324	4.47	3		1.06	1.10	500.0	4.47	38.8	16.9
2811	SDAPR	870407	6.21	2		0.68	1.22	375.0	6.00		5.3

ID	STN	DD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2572	SDAPR	870120	-0.006	-0.689	-0.116	0.297	-0.111	1.482	0.871	0.363	0.309
			-0.315	-19.416	-2.528	3.122	-1.388	23.864	9.060	20.108	13.455
2584	SDAPR	870127	-0.007	-0.788	-0.133	0.310	-0.126	-1.503	0.933	-0.002	0.334
			-0.359	-22.217	-2.893	3.252	-1.577	-24.198	9.708	-0.092	14.516
2628	SDAPR	870203	0.011	0.250	-0.005	0.060	-0.004	1.307	0.434	0.466	0.061
			0.601	7.064	-0.105	0.629	-0.045	21.039	4.509	25.842	2.652
2633	SDAPR	870210	0.011	0.020	-0.004	0.044	-0.004	1.631	1.063	0.693	0.001
			0.590	0.575	-0.090	0.465	-0.056	26.253	11.053	38.402	0.026
2659	SDAPR	870217	-0.004	0.033	-0.007	-0.032	-0.023	1.028	0.576	0.370	0.020
			-0.186	0.919	-0.157	-0.339	-0.289	16.545	5.991	20.495	0.880
2674	SDAPR	870224	0.015	0.062	-0.022	0.044	-0.027	2.576	1.909	1.044	0.027
			0.790	1.736	-0.477	0.462	-0.343	41.479	19.856	57.828	1.186
2718	SDAPR	870310	0.004	0.034	-0.001	0.078	-0.012	1.579	0.980	0.482	0.010
			0.233	0.950	-0.024	0.815	-0.144	25.427	10.188	26.702	0.426
2748	SDAPR	870317	0.008	0.038	-0.007	0.079	-0.010	1.018	0.852	0.318	0.014
			0.427	1.071	-0.162	0.827	-0.122	16.387	8.864	17.593	0.618
2770	SDAPR	870324	0.008	0.036	-0.016	0.070	-0.032	1.619	1.710	0.420	-0.011
			0.412	1.002	-0.340	0.731	-0.400	26.066	17.702	23.290	-0.464
2811	SDAPR	870407	0.006	0.035	-0.034	0.137	-0.013	0.758	0.853	0.513	0.052
			0.303	0.981	-0.729	1.435	-0.160	12.210	8.869	28.393	2.268

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2572	SDAPR	870120	0.064 1.626	0.803 20.029	0.130 5.346
2584	SDAPR	870127	0.330 8.450	0.103 2.572	0.015 0.635
2628	SDAPR	870203	0.185 4.744	0.006 0.160	0.000 0.009
2633	SDAPR	870210	0.010 0.262	0.071 1.763	0.014 0.595
2659	SDAPR	870217	0.018 0.453	0.133 3.331	0.020 0.817
2674	SDAPR	870224	0.088 2.252	0.057 1.426	0.006 0.265
2718	SDAPR	870310	0.011 0.276	0.027 0.680	0.003 0.119
2748	SDAPR	870317	0.014 0.349	0.086 2.147	0.009 0.350
2770	SDAPR	870324	0.057 1.461	0.045 1.127	0.010 0.419
2811	SDAPR	870407	0.124 3.168	0.263 6.564	0.054 2.211

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2869	SDAPR	870428		1000	870505	1000	870512	3	0.870	1440.000	21.000
2885	SDAPR	870505		1000	870512	945	870518	1	0.020	38.000	
2919	SDAPR	870519		900	870526	2000	870601	4	2.190	3799.000	4.500
2947	SDAPR	870526		2000	870602	915	870609	2	1.340	2277.000	5.200
2972	SDAPR	870609		915	870615	1500	870619	2	0.510	864.000	5.400
3004	SDAPR	870615		1500	870623	900	870629	4	0.360	539.000	12.100
3038	SDAPR	870623		900	870630	900	870708	1	0.740	1298.500	
3054	SDAPR	870630		900	870707	915	870713	1	0.100	169.000	14.500
3068	SDAPR	870707		915	870714	900	870717	3	0.690	1229.000	6.300
3087	SDAPR	870714		900	870721	900	870727	3	0.470	841.500	5.300
3124	SDAPR	870728		915	870804	930	870811	4	0.870	1517.000	11.900
3134	SDAPR	870804		930	870811	930	870817	3	0.410	766.000	8.700
3146	SDAPR	870811		930	870818	900	870821	3	0.250	430.000	11.100
3179	SDAPR	870818		900	870825	900	870902	2	0.210	378.500	7.800
3196	SDAPR	870825		900	870901	915	870911	1	0.760	1363.500	2.600
3210	SDAPR	870901		915	870908	845	870915	2	0.150	264.000	5.400
3225	SDAPR	870908		845	870915	900	870921	1	0.450	814.000	

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3247	SDAPR	870915		900	870922	900	870926	1	0.030	49.000	
3297	SDAPR	871013		1000	871020	900	871027	2	0.100	153.500	11.400
3324	SDAPR	871027		900	871103	930	871110	2	0.100	169.000	17.000
3416	SDAPR	871208	2.00	900	871215	900	871217	2	0.030	68.000	
3455	SDAPR	871222	1.00	845	871229	900	880105	2	0.680	992.000	2.200
3477	SDAPR	871229	1.00	900	880105	850	880111	1	0.130	152.000	

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2869	SDAPR	870428	4.810			0.891	1.034	525.000	5.620		14.558
2885	SDAPR	870505		3.000		0.635	1.079	30.000	6.170		15.215
2919	SDAPR	870519	5.440			0.931	1.301	525.000	5.370	9.100	3.140
2947	SDAPR	870526	5.590	3.000		0.831	1.140	500.000	5.490		4.600
2972	SDAPR	870609	5.380			0.888	1.144	475.000	5.200	13.000	4.436
3004	SDAPR	870615	6.000	3.000	34.000	0.860	1.007	350.000	5.550		11.781
3038	SDAPR	870623		3.000		0.792	1.057	550.000	5.630		7.986
3054	SDAPR	870630	4.660			0.958	1.051	130.000	4.830	21.100	10.808
3068	SDAPR	870707	5.450			0.928	1.103	550.000	5.490		5.656
3087	SDAPR	870714	5.410	3.000		0.786	1.192	460.000	5.460	10.100	3.544
3124	SDAPR	870728	5.310	3.000	33.000	0.837	1.038	475.000	5.510		10.765
3134	SDAPR	870804	6.080	3.000	33.000	0.696	1.153	475.000	5.860		6.960
3146	SDAPR	870811	4.900			0.926	1.023	325.000	4.860	17.800	10.333
3179	SDAPR	870818	5.880	3.000		0.815	1.064	300.000	5.640		7.303
3196	SDAPR	870825	5.590			0.837	2.099	525.000	5.330	9.100	0.909
3210	SDAPR	870901	5.250			0.739	1.194	170.000	5.300	11.500	2.774
3225	SDAPR	870908				0.835	1.139	550.000	5.190	12.300	3.270

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3247	SDAPR	870915				0.886	1.002	42.000	4.870		10.788
3297	SDAPR	871013	5.370	3.000		0.807	1.029	110.000	5.715		9.073
3324	SDAPR	871027	5.070	3.000		0.883	1.006	70.000	5.720		12.723
3416	SDAPR	871208	6.010	3.000	33.000	0.627	1.022	50.000	6.100		6.189
3455	SDAPR	871222	5.710	3.000		0.697	1.188	420.000	5.647		1.261
3477	SDAPR	871229		3.000		0.633	1.198	150.000	5.535		3.362

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2869	SDAPR	870428	0.012	0.066	0.031	0.070	-0.049	2.533	2.259	1.526	0.022
			0.646	1.863	0.683	0.737	-0.617	40.775	23.490	84.557	0.973
2885	SDAPR	870505	0.026	0.157	-0.031	0.046	-0.069	2.983	1.662	1.516	0.101
			1.365	4.432	-0.663	0.478	-0.863	48.021	17.282	83.966	4.379
2919	SDAPR	870519	-0.040	0.018	-0.016	0.075	-0.005	0.637	0.292	0.281	0.004
			-2.127	0.500	-0.346	0.791	-0.065	10.261	3.039	15.559	0.171
2947	SDAPR	870526	0.013	0.070	-0.008	-0.059	-0.005	0.736	0.631	0.359	0.048
			0.669	1.965	-0.163	-0.623	-0.060	11.857	6.568	19.899	2.080
2972	SDAPR	870609	0.011	0.023	-0.005	-0.059	-0.005	0.567	0.546	0.241	0.009
			0.574	0.637	-0.118	-0.625	-0.061	9.135	5.673	13.332	0.390
3004	SDAPR	870615	0.020	0.179	-0.003	0.067	-0.022	2.568	1.158	0.630	0.090
			1.076	5.056	-0.068	0.701	-0.278	41.353	12.044	34.907	3.902
3038	SDAPR	870623	0.013	0.064	0.029	-0.040	-0.005	1.692	0.895	0.660	0.051
			0.700	1.802	0.620	-0.422	-0.065	27.233	9.307	36.547	2.225
3054	SDAPR	870630	0.014	0.067	-0.005	-0.061	-0.006	2.163	0.618	0.421	0.021
			0.726	1.903	-0.109	-0.637	-0.074	34.824	6.424	23.322	0.934
3068	SDAPR	870707	0.011	0.076	-0.008	0.091	-0.012	1.008	0.709	0.351	0.033
			0.554	2.131	-0.183	0.952	-0.153	16.233	7.379	19.461	1.417
3087	SDAPR	870714	0.009	0.030	-0.009	-0.071	-0.011	0.678	0.373	0.307	0.017
			0.482	0.848	-0.203	-0.745	-0.139	10.918	3.878	16.981	0.735
3124	SDAPR	870728	0.016	0.114	-0.011	-0.076	-0.019	2.189	1.364	0.568	0.099
			0.861	3.212	-0.247	-0.793	-0.241	35.245	14.184	31.460	4.327
3134	SDAPR	870804	0.018	0.071	-0.010	-0.079	-0.015	1.553	0.782	0.772	0.017
			0.935	2.003	-0.222	-0.827	-0.186	25.000	8.131	42.769	0.754
3146	SDAPR	870811	-0.005	0.082	-0.004	-0.073	-0.004	1.367	1.026	0.338	0.029
			-0.251	2.307	-0.079	-0.763	-0.050	22.003	10.672	18.748	1.256
3179	SDAPR	870818	0.018	0.060	-0.004	-0.074	-0.010	1.665	0.752	0.639	0.030
			0.948	1.686	-0.097	-0.780	-0.123	26.813	7.820	35.414	1.286
3196	SDAPR	870825	-0.002	0.006	-0.006	-0.064	-0.014	0.122	0.085	-0.004	-0.003
			-0.088	0.159	-0.128	-0.669	-0.173	1.959	0.880	-0.217	-0.110
3210	SDAPR	870901	0.007	0.021	-0.005	-0.069	-0.018	0.292	0.290	0.087	0.009
			0.349	0.584	-0.116	-0.729	-0.228	4.702	3.018	4.796	0.393
3225	SDAPR	870908	0.003	0.007	-0.001	-0.055	-0.007	0.207	0.407	0.098	0.004
			0.165	0.203	-0.012	-0.578	-0.094	3.333	4.235	5.441	0.194

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3247	SDAPR	870915	0.013	0.064	-0.002	-0.049	-0.015	1.785	0.772	0.380	0.036
			0.659	1.810	-0.039	-0.510	-0.182	28.743	8.028	21.028	1.546
3297	SDAPR	871013	0.013	0.046	-0.054	-0.021	-0.033	0.955	1.982	0.307	0.706
			0.710	1.308	-1.167	-0.217	-0.410	15.382	20.612	16.982	30.717
3324	SDAPR	871027	0.019	0.092	0.046	0.070	-0.026	2.132	1.844	1.310	0.041
			0.995	2.595	0.991	0.736	-0.322	34.327	19.177	72.578	1.772
3416	SDAPR	871208	0.012	0.044	0.019	-0.005	-0.008	0.750	0.989	0.231	0.095
			0.616	1.234	0.413	-0.054	-0.098	12.069	10.282	12.797	4.123
3455	SDAPR	871222	-0.012	0.009	-0.004	0.016	-0.010	0.202	0.067	-0.131	0.004
			-0.651	0.257	-0.089	0.165	-0.121	3.256	0.699	-7.256	0.154
3477	SDAPR	871229	-0.001	0.060	-0.004	0.018	-0.009	0.500	0.416	0.021	0.041
			-0.075	1.702	-0.086	0.185	-0.113	8.048	4.328	1.190	1.798

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2869	SDAPR	870428	0.029	0.256	0.039
			0.738	6.380	1.596
2885	SDAPR	870505	0.132	0.752	0.141
			3.374	18.753	5.790
2919	SDAPR	870519	0.014	0.000	0.004
			0.353	0.000	0.166
2947	SDAPR	870526	0.027	0.121	0.016
			0.696	3.016	0.669
2972	SDAPR	870609	0.010	0.061	0.014
			0.244	1.525	0.583
3004	SDAPR	870615	0.284	0.595	0.086
			7.273	14.854	3.556
3038	SDAPR	870623	0.053	0.335	0.032
			1.350	8.353	1.322
3054	SDAPR	870630	0.023	0.211	0.030
			0.594	5.275	1.220
3068	SDAPR	870707	0.042	0.210	0.045
			1.073	5.246	1.862
3087	SDAPR	870714	0.004	0.069	0.009
			0.100	1.716	0.379
3124	SDAPR	870728	0.204	0.571	0.101
			5.224	14.244	4.146
3134	SDAPR	870804	0.018	0.271	0.057
			0.451	6.749	2.343
3146	SDAPR	870811	0.023	0.233	0.042
			0.588	5.820	1.709
3179	SDAPR	870818	0.040	0.253	0.033
			1.016	6.323	1.345
3196	SDAPR	870825	-0.002	-0.007	-0.002
			-0.039	-0.164	-0.067
3210	SDAPR	870901	0.004	0.084	0.017
			0.100	2.086	0.682
3225	SDAPR	870908	-0.002	0.036	0.009
			-0.038	0.898	0.380

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3247	SDAPR	870915	0.050	0.228	0.057
			1.286	5.687	2.364
3297	SDAPR	871013	0.061	0.314	0.070
			1.561	7.845	2.886
3324	SDAPR	871027	0.038	0.194	0.038
			0.971	4.839	1.567
3416	SDAPR	871208	0.207	0.485	0.102
			5.296	12.089	4.214
3455	SDAPR	871222	0.008	0.077	0.016
			0.205	1.911	0.673
3477	SDAPR	871229	0.046	0.338	0.073
			1.172	8.443	3.016

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2537	SDBGP	870113	1.00	2000	870120	1900	870127	1	0.05	92.00	

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2537	SDBGP	870113				0.47	1.35	92.0	5.83		3.7

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2537	SDBGP	870113	-0.005	0.052	-0.006	0.056	-0.008	0.824	0.263	0.144	0.039
			-0.242	1.469	-0.126	0.590	-0.098	13.269	2.739	7.993	1.712

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ID      STN     BD           K         CA        MG
                          ug/ml     ug/ml     ug/ml
                       umoles/l  umoles/l  umoles/l

2537    SDBGP   870113    0.053     0.599     0.058
                          1.351    14.951     2.377
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PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2573	SDBPR	870120	2.00	845	870127	915	870205	1	0.01	19.00	
2597	SDBPR	870127	1.00	915	870203	900	870212	1	0.03	26.00	
2629	SDBPR	870203	1.00	900	870210	915	870220	1	0.05	57.00	
2636	SDBPR	870210	1.00	915	870217	900	870224	1	0.15	230.00	10.8
2675	SDBPR	870224	1.00	1500	870303	900	870309	5	1.81	2635.50	20.0
2719	SDBPR	870310	2.00	900	870317	900	870325	2	0.51	949.00	
2727	SDBPR	870217	1.00	900	870224	1500	870326	1	0.36	572.00	5.7
2749	SDBPR	870317	2.00	900	870324	900	870331	4	1.20	2287.00	10.5
2771	SDBPR	870324	1.00	900	870331	900	870407	3		2032.00	21.5
2812	SDBPR	870407	2.00	900	870414	915	870420	4	0.37	561.00	7.5

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2573	SDBPR	870120				0.65	1.04	19.0	5.83		9.5
2597	SDBPR	870127				0.44	1.24	20.0	6.37		9.5
2629	SDBPR	870203	5.17			0.82	1.18	57.0	5.68		5.2
2636	SDBPR	870210	4.95	3		0.96	1.08	160.0	5.06	12.2	9.2
2675	SDBPR	870224	4.70	3	21	0.97	1.08	550.0	4.69	26.1	17.2
2719	SDBPR	870310				1.07	1.15	565.0	4.74	23.8	10.6
2727	SDBPR	870217	5.53	3		0.94	1.05	340.0	5.24	13.9	5.8
2749	SDBPR	870317	4.86			1.05	1.18	525.0	4.85	20.2	7.9
2771	SDBPR	870324	4.43	2		1.05	1.11	500.0	4.46	40.4	17.1
2812	SDBPR	870407	5.89	2		0.55	1.19	370.0	6.12		5.6

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2573	SDBPR	870120	0.107	-0.714	-0.121	0.239	-0.115	1.524	0.873	0.482	0.247
			5.654	-20.132	-2.622	2.512	-1.438	24.537	9.078	26.689	10.724
2597	SDBPR	870127	0.022	0.191	-0.051	0.032	-0.048	1.535	1.102	0.242	0.450
			1.169	5.390	-1.108	0.340	-0.604	24.721	11.461	13.410	19.567
2629	SDBPR	870203	0.011	0.084	-0.005	0.068	-0.004	1.310	0.451	0.479	0.056
			0.594	2.356	-0.102	0.714	-0.048	21.086	4.693	26.527	2.421
2636	SDBPR	870210	0.009	0.028	-0.003	-0.035	-0.005	1.644	1.079	0.692	0.006
			0.463	0.776	-0.075	-0.368	-0.067	26.476	11.223	38.340	0.254
2675	SDBPR	870224	0.014	0.064	-0.023	-0.128	-0.028	2.648	2.009	1.037	0.043
			0.734	1.808	-0.490	-1.339	-0.347	42.627	20.889	57.477	1.891
2719	SDBPR	870310	0.004	0.031	-0.001	0.074	-0.012	1.600	1.006	0.485	0.008
			0.214	0.878	-0.026	0.776	-0.148	25.759	10.468	26.873	0.351
2727	SDBPR	870217	0.004	0.036	-0.002	0.077	-0.013	0.977	0.538	0.301	0.021
			0.195	1.017	-0.039	0.812	-0.165	15.736	5.594	16.695	0.922
2749	SDBPR	870317	0.008	0.033	0.009	0.110	-0.009	1.023	0.847	0.318	0.020
			0.418	0.936	0.193	1.159	-0.119	16.474	8.809	17.604	0.879
2771	SDBPR	870324	0.008	0.038	-0.016	0.070	-0.033	1.641	1.738	0.443	0.008
			0.434	1.063	-0.346	0.739	-0.412	26.420	18.073	24.515	0.335
2812	SDBPR	870407	0.006	0.036	-0.037	0.087	-0.014	0.725	0.824	0.548	0.058
			0.326	1.012	-0.803	0.910	-0.176	11.672	8.573	30.365	2.504

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2573	SDBPR	870120	0.078	0.729	0.114
			1.983	18.191	4.688
2597	SDBPR	870127	0.351	1.366	0.187
			8.979	34.069	7.679
2629	SDBPR	870203	0.021	0.198	0.021
			0.538	4.928	0.866
2636	SDBPR	870210	0.013	0.068	0.015
			0.333	1.706	0.624
2675	SDBPR	870224	0.254	0.064	0.007
			6.497	1.590	0.303
2719	SDBPR	870310	0.006	0.028	0.003
			0.151	0.698	0.113
2727	SDBPR	870217	0.012	0.146	0.021
			0.313	3.651	0.860
2749	SDBPR	870317	0.015	0.074	0.008
			0.388	1.856	0.343
2771	SDBPR	870324	0.027	0.045	0.011
			0.688	1.129	0.459
2812	SDBPR	870407	0.118	0.370	0.058
			3.020	9.226	2.369

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2870	SDBPR	870428		1000	870505	1000	870512	3	0.870	1427.000	21.000
2886	SDBPR	870505		1000	870512	945	870518	1	0.020	44.000	
2920	SDBPR	870519		900	870526	2000	870601	4	2.190	3834.000	4.500
2948	SDBPR	870526		2000	870602	915	870609	2	1.340	2238.000	5.200
2973	SDBPR	870609		915	870615	1500	870619	2	0.510	836.500	5.500
3005	SDBPR	870615		1500	870623	900	870629	4	0.360	525.000	12.000
3039	SDBPR	870623		900	870630	900	870708	1	0.740	1314.500	
3055	SDBPR	870630		900	870707	915	870713	1	0.100	168.500	15.500
3069	SDBPR	870707		915	870714	900	870717	3	0.690	1216.000	6.400
3088	SDBPR	870714		900	870721	900	870727	3	0.470	837.500	4.500
3125	SDBPR	870728		915	870804	930	870811	4	0.870	1501.000	11.600
3135	SDBPR	870804		930	870811	930	870817	3	0.410	766.000	8.800
3147	SDBPR	870811		930	870818	900	870821	3	0.250	431.000	11.100
3180	SDBPR	870818		900	870825	900	870902	2	0.210	366.000	7.900
3186	SDBPR	870825		900	870901	915	870908	1	0.760	1361.000	2.200
3211	SDBPR	870901		915	870908	845	870915	2	0.150	259.500	5.400
3226	SDBPR	870908		845	870915	900	870921	1	0.450	804.000	

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3249	SDBPR	870915		900	870922	900	870926	1	0.030	33.000	
3298	SDBPR	871013		1000	871020	900	871027	2	0.100	140.500	11.800
3325	SDBPR	871027		900	871103	930	871110	2	0.100	167.000	17.000
3456	SDBPR	871208	2.00	900	871215	900	880105	2	0.030	70.000	
3457	SDBPR	871222	1.00	845	871229	900	880105	2	0.680	1032.000	2.200
3478	SDBPR	871229	1.00	900	880105	850	880111	1	0.130	137.000	

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2870	SDBPR	870428	4.830			0.896	1.069	550.000	5.520		14.411
2886	SDBPR	870505		3.000		0.628	1.086	40.000	6.240		15.581
2920	SDBPR	870519	5.330			1.012	1.333	525.000	5.350	12.700	3.151
2948	SDBPR	870526	5.620			0.812	1.113	525.000	5.480	12.100	4.683
2973	SDBPR	870609	5.250			0.882	1.083	440.000	5.320	12.900	4.387
3005	SDBPR	870615	6.000	32.000		0.807	0.987	330.000	5.520		12.297
3039	SDBPR	870623		3.000		0.787	1.080	550.000	5.670		7.832
3055	SDBPR	870630	4.620			0.940	1.086	130.000	4.740	24.600	11.470
3069	SDBPR	870707	5.290	3.000		0.915	1.041	525.000	5.490		5.991
3088	SDBPR	870714	5.240			0.791	1.164	525.000	5.560		3.392
3125	SDBPR	870728	5.220	3.000		0.884	1.040	550.000	5.430	11.500	10.638
3135	SDBPR	870804	5.990	3.000	33.000	0.677	1.133	450.000	5.960		7.218
3147	SDBPR	870811	4.700	3.000		0.943	1.067	320.000	4.870	21.200	10.183
3180	SDBPR	870818	5.790			0.806	1.090	200.000	5.590		7.301
3186	SDBPR	870825	5.330	3.000		0.591	1.612	550.000	5.370	9.500	1.183
3211	SDBPR	870901	4.990			0.780	1.203	175.000	5.320	9.500	2.656
3226	SDBPR	870908				0.761	1.161	550.000	5.190	13.000	3.213

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3249	SDBPR	870915				0.922	1.042	30.000	4.990		9.877
3298	SDBPR	871013	5.430	3.000		0.775	1.047	90.000	5.896		9.137
3325	SDBPR	871027	5.070	3.000		0.837	1.021	80.000	5.730		12.597
3456	SDBPR	871208	6.030	3.000	33.000	0.626	1.052	40.000	6.150		5.826
3457	SDBPR	871222	5.730			0.452	2.317	460.000	5.430	12.500	0.992
3478	SDBPR	871229		3.000		0.648	0.959	150.000	6.497		3.398

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2870	SDBPR	870428	0.013	0.074	0.040	0.103	-0.051	2.536	2.271	1.511	0.029
			0.702	2.080	0.880	1.082	-0.636	40.831	23.617	83.716	1.251
2886	SDBPR	870505	0.024	0.152	-0.031	0.067	-0.067	3.053	1.701	1.572	0.107
			1.289	4.295	-0.680	0.703	-0.839	49.145	17.687	87.083	4.659
2920	SDBPR	870519	-0.039	0.022	0.017	0.107	-0.005	0.640	0.289	0.273	0.004
			-2.048	0.623	0.377	1.122	-0.063	10.308	3.004	15.124	0.154
2948	SDBPR	870526	0.009	0.065	-0.008	-0.060	-0.005	0.731	0.619	0.356	0.042
			0.484	1.823	-0.166	-0.628	-0.059	11.773	6.433	19.722	1.807
2973	SDBPR	870609	0.011	0.023	-0.005	-0.059	-0.005	0.584	0.555	0.279	0.010
			0.575	0.659	-0.116	-0.622	-0.061	9.405	5.775	15.443	0.435
3005	SDBPR	870615	0.022	0.179	-0.003	-0.018	-0.021	2.601	1.174	0.745	0.090
			1.133	5.053	-0.071	-0.193	-0.264	41.869	12.212	41.259	3.929
3039	SDBPR	870623	0.013	0.069	0.031	-0.041	-0.005	1.692	0.898	0.678	0.054
			0.677	1.953	0.674	-0.432	-0.064	27.241	9.342	37.543	2.350
3055	SDBPR	870630	0.017	0.073	-0.005	-0.061	-0.006	2.173	0.616	0.414	0.023
			0.892	2.069	-0.113	-0.641	-0.075	34.986	6.411	22.938	0.984
3069	SDBPR	870707	0.010	0.075	-0.008	0.076	-0.013	1.012	0.719	0.350	0.031
			0.537	2.106	-0.184	0.796	-0.158	16.293	7.475	19.363	1.361
3088	SDBPR	870714	0.006	0.029	-0.009	-0.071	-0.011	0.666	0.370	0.314	0.018
			0.315	0.807	-0.196	-0.749	-0.137	10.718	3.844	17.405	0.765
3125	SDBPR	870728	0.018	0.109	-0.011	-0.076	-0.019	2.225	1.330	0.584	0.064
			0.946	3.073	-0.245	-0.796	-0.236	35.815	13.837	32.374	2.782
3135	SDBPR	870804	0.018	0.072	-0.010	-0.079	-0.015	1.563	0.798	0.819	0.017
			0.930	2.028	-0.220	-0.829	-0.182	25.171	8.295	45.390	0.756
3147	SDBPR	870811	-0.005	0.082	-0.004	-0.073	-0.004	1.398	1.144	0.366	0.032
			-0.255	2.304	-0.076	-0.771	-0.051	22.507	11.902	20.295	1.379
3180	SDBPR	870818	0.017	0.055	-0.005	-0.074	-0.010	1.696	0.760	0.645	0.028
			0.880	1.559	-0.101	-0.774	-0.124	27.300	7.902	35.760	1.220
3186	SDBPR	870825	-0.002	0.007	-0.006	-0.061	-0.012	0.123	0.076	0.036	-0.002
			-0.083	0.189	-0.137	-0.638	-0.152	1.976	0.786	2.020	-0.098
3211	SDBPR	870901	0.009	0.016	-0.005	-0.070	-0.018	0.296	0.288	0.083	0.008
			0.499	0.456	-0.115	-0.732	-0.231	4.764	2.994	4.593	0.328
3226	SDBPR	870908	0.002	0.006	-0.001	-0.054	-0.007	0.210	0.384	0.101	0.006
			0.098	0.183	-0.012	-0.569	-0.092	3.379	3.996	5.597	0.244

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3249	SDBPR	870915	0.011	0.109	-0.002	-0.050	-0.016	1.875	0.815	0.456	0.048
			0.592	3.073	-0.041	-0.523	-0.196	30.191	8.471	25.257	2.093
3298	SDBPR	871013	0.015	0.053	-0.050	-0.023	-0.032	0.959	2.044	0.314	0.742
			0.766	1.497	-1.097	-0.238	-0.402	15.446	21.259	17.393	32.297
3325	SDBPR	871027	0.019	0.099	0.045	-0.062	-0.026	2.137	1.863	1.305	0.044
			0.991	2.780	0.981	-0.650	-0.322	34.405	19.376	72.291	1.914
3456	SDBPR	871208	-0.012	0.042	-0.004	0.005	-0.010	0.750	0.980	0.182	0.087
			-0.627	1.197	-0.094	0.056	-0.127	12.078	10.187	10.097	3.792
3457	SDBPR	871222	-0.011	0.020	-0.005	0.013	-0.011	0.209	0.073	0.051	0.004
			-0.603	0.554	-0.098	0.131	-0.133	3.359	0.761	2.820	0.154
3478	SDBPR	871229	-0.001	0.061	-0.004	-0.014	-0.009	0.504	0.437	0.048	0.041
			-0.073	1.711	-0.082	-0.151	-0.108	8.114	4.544	2.660	1.771

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2870	SDBPR	870428	0.028	0.281	0.039
			0.722	7.021	1.624
2886	SDBPR	870505	0.142	0.784	0.141
			3.641	19.568	5.815
2920	SDBPR	870519	0.013	0.002	0.004
			0.324	0.047	0.160
2948	SDBPR	870526	0.025	0.127	0.017
			0.636	3.169	0.700
2973	SDBPR	870609	0.013	0.063	0.013
			0.331	1.560	0.550
3005	SDBPR	870615	0.175	0.594	0.091
			4.476	14.819	3.735
3039	SDBPR	870623	0.058	0.328	0.033
			1.475	8.179	1.339
3055	SDBPR	870630	0.015	0.188	0.029
			0.379	4.680	1.180
3069	SDBPR	870707	0.036	0.224	0.044
			0.925	5.587	1.812
3088	SDBPR	870714	0.005	0.060	0.008
			0.126	1.499	0.329
3125	SDBPR	870728	0.120	0.536	0.093
			3.072	13.382	3.844
3135	SDBPR	870804	0.018	0.272	0.059
			0.452	6.784	2.409
3147	SDBPR	870811	0.031	0.241	0.045
			0.783	6.025	1.846
3180	SDBPR	870818	0.041	0.264	0.033
			1.043	6.592	1.367
3186	SDBPR	870825	-0.001	0.001	0.000
			-0.032	0.026	0.013
3211	SDBPR	870901	-0.002	0.080	0.016
			-0.050	2.001	0.678
3226	SDBPR	870908	-0.002	0.047	0.009
			-0.039	1.167	0.376

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3249	SDBPR	870915	0.021	0.252	0.055
			0.532	6.295	2.248
3298	SDBPR	871013	0.060	0.377	0.079
			1.527	9.407	3.231
3325	SDBPR	871027	0.041	0.248	0.044
			1.038	6.194	1.826
3456	SDBPR	871208	0.213	0.512	0.102
			5.451	12.780	4.204
3457	SDBPR	871222	0.008	0.094	0.016
			0.205	2.342	0.679
3478	SDBPR	871229	0.049	0.345	0.072
			1.262	8.600	2.977

PROJECT: EPAAR3
GLOBAL GEOCHEMISTRY

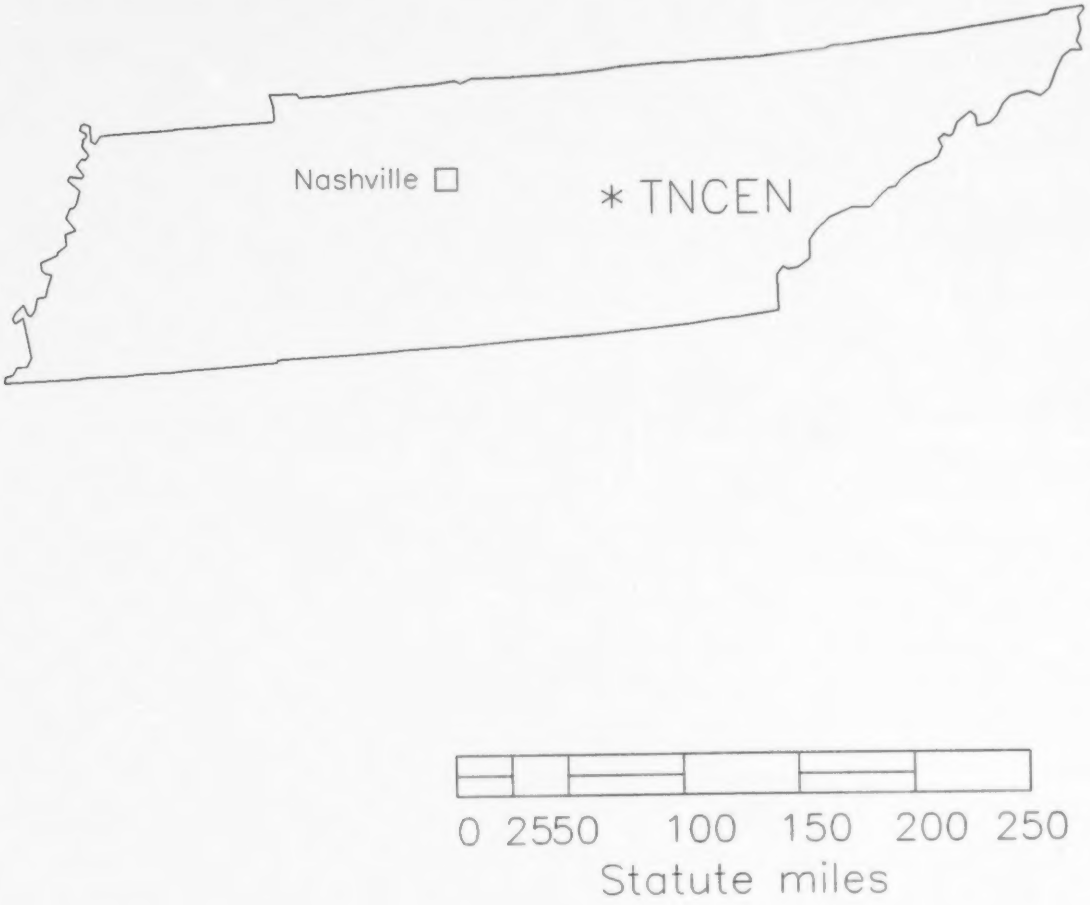
ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3205	SDCUS	870903		915	870908	1715	870914	2	0.450	720.000	9.200
3235	SDCUS	870908		1715	870915	905	870922	1		154.500	7.900
3248	SDCUS	870915		905	870922	900	870926	1	0.380	673.000	7.900
3289	SDCUS	871006	1.00	900	871013	900	871019		0.250	234.000	7.800
3326	SDCUS	871013	2.00	900	871020	900	871110	2	0.200	390.500	14.700
3328	SDCUS	871027		900	871103	900	871112	1	0.400	739.500	6.500
3458	SDCUS	871208		900	871215	900	880105	1	0.030	11.500	
3479	SDCUS	871222	1.00	900	880105	900	880111	3	0.230	121.500	4.500

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3205	SDCUS	870903	4.950		33.000	0.755	1.091	275.000	5.400	12.000	4.665
3235	SDCUS	870908	5.250	3.000		0.878	0.935	125.000	5.140	11.500	7.404
3248	SDCUS	870915	6.000	3.000		0.635	1.008	300.000	5.777		6.955
3289	SDCUS	871006	5.300			0.866	1.012	200.000	5.230	12.700	5.661
3326	SDCUS	871013	4.700	3.000		0.997	1.064	215.000	4.980	16.700	9.446
3328	SDCUS	871027	5.100	3.000		0.826	1.136	300.000	5.690		3.836
3458	SDCUS	871208		3.000		9999.000	9999.000	5.000	6.330		
3479	SDCUS	871222	5.550			0.602	1.107	70.000	5.504		3.540

ID	STN	BO	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3205	SDCUS	870903	0.013 0.705	0.049 1.373	-0.005 -0.119	-0.068 -0.714	-0.017 -0.214	0.643 10.350	0.580 6.034	0.243 13.478	0.027 1.191
3235	SDCUS	870908	0.015 0.776	0.057 1.609	-0.001 -0.025	-0.042 -0.430	-0.009 -0.108	0.813 13.096	0.793 8.248	0.355 19.642	0.019 0.826
3240	SDCUS	870915	0.013 0.702	0.045 1.257	-0.002 -0.040	-0.049 -0.514	-0.015 -0.186	0.996 16.040	0.950 9.879	0.256 14.170	0.072 3.142
3289	SDCUS	871006	0.008 0.430	0.041 1.144	-0.059 -1.272	-0.022 -0.228	-0.033 -0.417	0.885 14.256	0.575 5.984	0.122 6.738	0.104 4.531
3326	SDCUS	871013	0.012 0.626	0.064 1.807	-0.005 -0.118	0.081 0.855	-0.026 -0.322	1.154 18.580	1.289 13.410	0.340 18.832	0.051 2.203
3328	SDCUS	871027	0.016 0.853	0.026 0.726	0.027 0.593	0.125 1.308	-0.030 -0.370	0.516 8.310	0.525 5.464	0.162 8.954	0.024 1.040
3458	SDCUS	871208									
3479	SDCUS	871222	-0.001 -0.071	0.041 1.166	-0.004 -0.078	-0.015 -0.154	-0.008 -0.103	0.678 10.918	0.246 2.559	0.078 4.307	0.021 0.932

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3205	SDCUS	870903	0.030 0.779	0.219 5.472	0.026 1.054
3235	SDCUS	870908	0.030 0.756	0.136 3.381	0.015 0.633
3248	SDCUS	870915	0.014 0.360	0.701 17.494	0.063 2.573
3289	SDCUS	871006	0.034 0.880	0.239 5.972	0.027 1.096
3326	SDCUS	871013	0.047 1.207	0.305 7.607	0.033 1.369
3328	SDCUS	871027	0.013 0.320	0.339 8.454	0.017 0.709
3458	SDCUS	871208			
3479	SDCUS	871222	0.020 0.510	0.348 8.681	0.029 1.183

Tennessee


Nashville □
* TNCEN
0 2550 100 150 200 250
Statute miles

□ Major city (for reference)
* EPA Acid Rain Site

TENNESSEE

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD(1) BEGIN	END	#SAMPLES	%NON-VOID(2)
TNCEN	Center Hill Res	Smithville	De Kalb			35	97.1

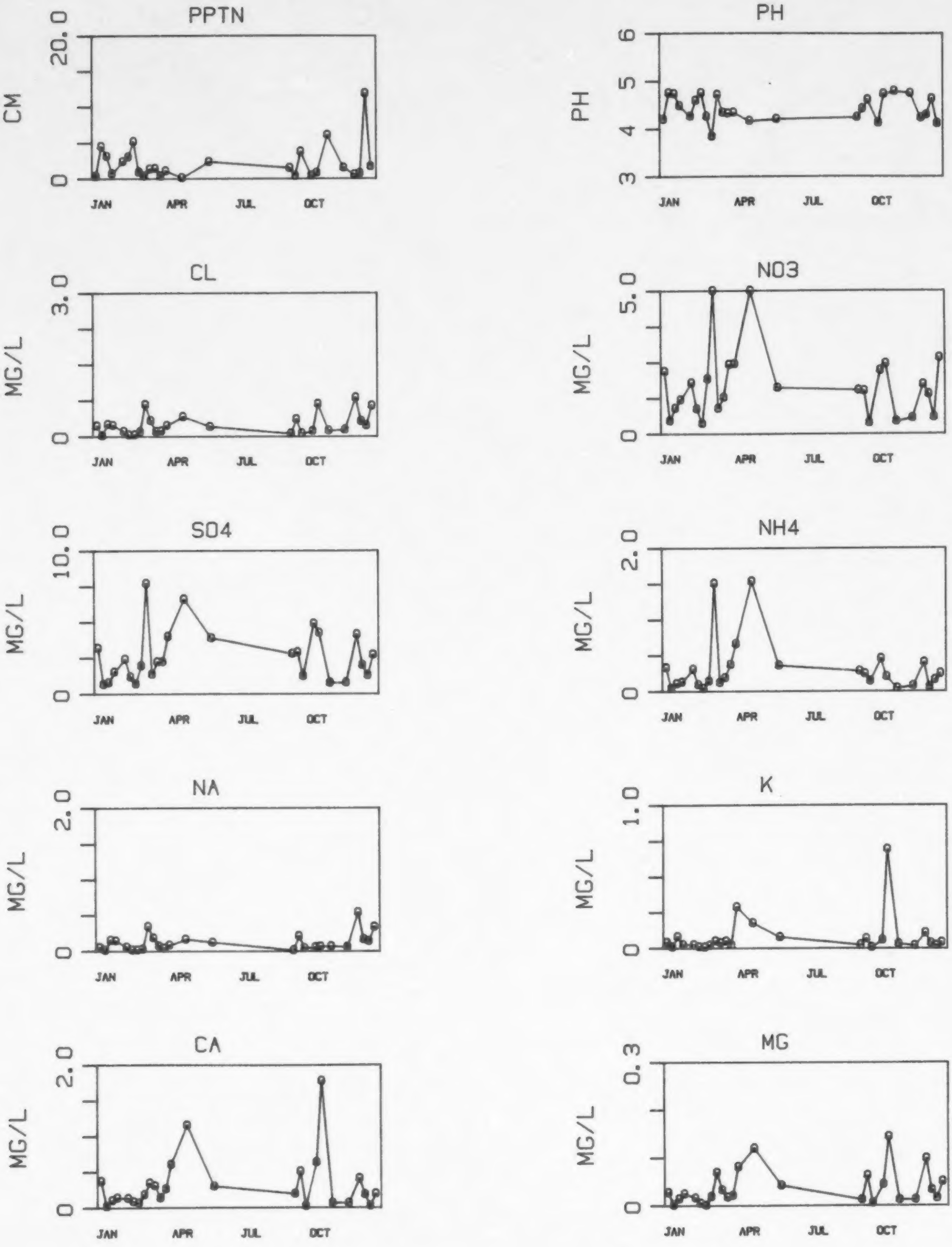
(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)

SITE: TNCEN

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2525	TMCEN	870106	2.00	1200	870113	1200	870122	2	0.14	386.00	38.9
2552	TMCEN	870113	2.00	1200	870120	1200	870129	5	1.79	3485.00	10.0
2574	TMCEN	870120	1.00	1200	870127	1200	870205	1	1.24	2551.00	12.4
2607	TMCEN	870127	2.00	1200	870203	1200	870217	2	0.27	490.00	19.7
2645	TMCEN	870210		1200	870217	1200	870226	4	0.94	1979.00	30.8
2663	TMCEN	870217	2.00	1200	870224	1200	870304	4	1.20	2510.00	14.0
2688	TMCEN	870303		1200	870310	1200	870317	2	0.36	605.00	31.6
2728	TMCEN	870224		1200	870303	1200	870326	3	2.05	3930.00	10.2
2750	TMCEN	870310		1200	870317	1200	870331	2	0.14	345.00	87.0
2772	TMCEN	870317		1200	870324	1200	870407	2	0.53	1058.00	15.1
2775	TMCEN	870324	2.00	1200	870331	1200	870408	4	0.57	1026.00	28.4
2799	TMCEN	870331	2.00	1200	870407	1200	870414	1	0.13	403.00	29.7
2829	TMCEN	870407		1200	870414	1200	870422	4	0.43	795.00	39.4
2843	TMCEN	870414		1200	870421	1200	870430	3	1.06	3568.00	24.1

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2525	TNCEN	870106	4.19	3		1.06	1.05	290.0	4.20	70.6	31.6
2552	TNCEN	870113	4.71			1.01	1.24	500.0	4.75	23.0	6.5
2574	TNCEN	870120	4.69	3		1.00	1.10	425.0	4.73	23.5	9.8
2607	TNCEN	870127	4.46	3		1.07	1.10	450.0	4.48	38.5	15.8
2645	TNCEN	870210	4.21	3		1.00	1.04	480.0	4.26	64.3	26.1
2663	TNCEN	870217	4.53			1.11	1.12	475.0	4.59	32.8	11.2
2688	TNCEN	870303	4.20			1.01	1.10	475.0	4.26	59.8	23.6
2728	TNCEN	870224	5.64	3		0.99	1.31	475.0	4.75	22.0	6.4
2750	TNCEN	870310	3.97	3		1.04	0.96	275.0	3.84	163.0	82.3
2772	TNCEN	870317	4.78	3	33	1.04	1.14	475.0	4.71	26.1	11.3
2775	TNCEN	870324	4.33	3		1.06	1.09	380.0	4.34	53.2	21.0
2799	TNCEN	870331	4.32	3		1.07	1.04	375.0	4.32	55.2	25.0
2829	TNCEN	870407	4.31			1.00	1.02	500.0	4.34	55.2	30.6
2843	TNCEN	870414	4.53	3	32	1.04	1.04	525.0	4.38	49.1	21.4

ID	STN	BD	F	CL	NO2	PO4	BR	NO3	SO4	NH4	NA
			ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l	umoles/l
2525	TNCEN	870106	0.019	0.221	-0.015	0.069	-0.008	2.194	3.184	0.332	0.052
			0.977	6.240	-0.334	0.728	-0.102	35.328	33.114	18.385	2.242
2552	TNCEN	870113	-0.003	0.014	-0.005	-0.027	-0.007	0.466	0.669	0.041	0.010
			-0.140	0.386	-0.114	-0.286	-0.089	7.503	6.955	2.289	0.438
2574	TNCEN	870120	0.011	0.251	-0.129	0.027	-0.123	0.905	0.791	0.109	0.152
			0.594	7.071	-2.808	0.279	-1.538	14.578	8.223	6.052	6.631
2607	TNCEN	870127	0.010	0.231	-0.010	0.043	-0.032	1.198	1.524	0.131	0.142
			0.525	6.522	-0.220	0.449	-0.399	19.292	15.848	7.236	6.159
2645	TNCEN	870210	0.017	0.103	-0.002	-0.039	-0.007	1.787	2.413	0.309	0.056
			0.893	2.893	-0.046	-0.411	-0.089	28.775	25.097	17.102	2.443
2663	TNCEN	870217	0.007	0.028	-0.009	-0.041	-0.023	0.877	1.185	0.093	0.015
			0.366	0.793	-0.199	-0.435	-0.293	14.121	12.327	5.167	0.642
2688	TNCEN	870303	0.016	0.093	-0.032	-0.205	-0.032	1.925	1.952	0.143	0.027
			0.855	2.610	-0.686	-2.148	-0.406	30.993	20.302	7.936	1.161
2728	TNCEN	870224	-0.003	0.030	-0.002	0.081	-0.014	0.366	0.696	0.038	0.014
			-0.145	0.855	-0.043	0.847	-0.170	5.895	7.235	2.117	0.594
2750	TNCEN	870310	0.033	0.667	-0.008	-0.067	-0.009	5.977	7.711	1.507	0.345
			1.734	18.797	-0.176	-0.700	-0.112	96.228	80.197	83.504	14.989
2772	TNCEN	870317	0.009	0.328	-0.016	0.068	-0.035	0.890	1.365	0.118	0.185
			0.491	9.250	-0.358	0.711	-0.436	14.331	14.193	6.540	8.041
2775	TNCEN	870324	0.009	0.099	-0.018	0.076	-0.039	1.282	2.229	0.187	0.073
			0.484	2.799	-0.382	0.799	-0.483	20.642	23.186	10.359	3.164
2799	TNCEN	870331	0.012	0.113	-0.037	0.063	-0.023	2.434	2.229	0.372	0.038
			0.633	3.176	-0.796	0.659	-0.288	39.190	23.179	20.626	1.675
2829	TNCEN	870407	0.017	0.225	-0.005	-0.061	-0.008	2.459	3.999	0.662	0.083
			0.909	6.331	-0.108	-0.641	-0.103	39.592	41.590	36.686	3.598
2843	TNCEN	870414	0.010	0.228	-0.007	-0.059	-0.012	1.232	2.302	0.304	0.129
			0.502	6.419	-0.159	-0.618	-0.149	19.830	23.938	16.828	5.619

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2525	TMCEN	870106	0.040 1.016	0.369 9.212	0.028 1.139
2552	TMCEN	870113	0.008 0.204	0.019 0.463	0.001 0.056
2574	TMCEN	870120	0.081 2.064	0.103 2.566	0.014 0.584
2607	TMCEN	870127	0.024 0.612	0.139 3.464	0.025 1.021
2645	TMCEN	870210	0.024 0.626	0.130 3.249	0.016 0.665
2663	TMCEN	870217	0.010 0.247	0.083 2.065	0.005 0.208
2688	TMCEN	870303	0.020 0.501	0.181 4.525	0.019 0.782
2728	TMCEN	870224	0.006 0.150	0.068 1.696	0.001 0.040
2750	TMCEN	870310	0.051 1.306	0.344 8.573	0.069 2.853
2772	TMCEN	870317	0.037 0.945	0.303 7.567	0.033 1.355
2775	TMCEN	870324	0.048 1.240	0.139 3.458	0.018 0.731
2799	TMCEN	870331	0.023 0.579	0.264 6.574	0.021 0.877
2829	TMCEN	870407	0.288 7.378	0.601 15.000	0.081 3.330
2843	TMCEN	870414	0.091 2.339	0.076 1.889	0.027 1.108

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2854	TNCEN	870421		1200	870428	1200	870505	2	0.140	218.000	
2880	TNCEN	870428		1200	870505	1200	870513	1	0.040	92.000	
2964	TNCEN	870602		1200	870609	1200	870616	1	0.930	467.000	35.600
3006	TNCEN	870616	10.00	1200	870623	1200	870629	5	1.450	2469.000	13.100
3060	TNCEN	870630	10.00	1200	870707	1200	870714			4930.000	15.200
3081	TNCEN	870707	10.00	1200	870714	1200	870722			1517.000	31.800
3139	TNCEN	870804	10.00	1200	870811	1200	870818			2604.000	77.600
3163	TNCEN	870811	10.00	1200	870818	1200	870826			3033.000	16.400
3197	TNCEN	870825		1200	870901	1200	870910	2	0.620	1194.000	30.500
3266	TNCEN	870915		1200	870922	1200	871001	2	0.590	952.000	32.800
3276	TNCEN	870922		1200	870929	1200	871013	1	0.140	487.000	24.200
3285	TNCEN	870929		1200	871006	1200	871015	1	1.490	2204.000	14.200
3300	TNCEN	871013		1200	871020	1200	871029	2	0.160	236.000	
3327	TNCEN	871020		1200	871027	1200	871110	5	0.310	560.000	31.000
3353	TNCEN	871110	2.00	1200	871117	1200	871123	2	1.220	2101.000	7.200
3365	TNCEN	871103		1200	871110	1200	871125	2	2.400	4293.000	10.900
3400	TNCEN	871124	2.00	1200	871201	1200	871210	1	0.590	1082.000	10.800

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
3459	TNCEN	871208		1200	871215	1200	880105	2	0.200	457.000	39.800
3461	TNCEN	871215		1200	871222	1200	880106	3	0.280	564.000	27.400
3472	TNCEN	871222		1200	871229	1200	880108	5	4.680	8209.000	14.900
3505	TNCEN	871229	12.00	1200	880105	1200	880120	3	0.650	1247.000	40.500

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2854	TMCEN	870421		3.000	3299.000	9999.000	9999.000	200.000	4.400		
2880	TMCEN	870428		3.000		1.016	0.970	85.000	4.160	86.300	54.414
2964	TMCEN	870602	4.380	3.000	33.000	1.054	0.986	400.000	4.200	71.800	33.959
3006	TMCEN	870616	5.030	3.000	2134.000	0.969	1.112	450.000	4.690	26.300	10.568
3060	TMCEN	870630	4.640	3.000	2134.000	1.020	1.051	425.000	4.610	32.400	12.670
3081	TMCEN	870707	4.390	3.000	313334.000	1.053	1.047	525.000	4.290	59.000	26.856
3139	TMCEN	870804	3.870	3.000	2134.000	1.050	1.025	490.000	3.830	162.400	72.745
3163	TMCEN	870811	4.750		333421.000	1.031	1.084	475.000	4.720	23.800	10.902
3197	TMCEN	870825	4.300	3.000	34.000	1.036	1.069	475.000	4.300	56.100	24.416
3266	TMCEN	870915	4.220	3.000		1.005	1.034	530.000	4.240	65.000	27.287
3276	TMCEN	870922	4.360	3.000		1.040	0.985	375.000	4.420	48.400	24.188
3285	TMCEN	870929	4.600			0.960	1.117	450.000	4.610	27.700	10.606
3300	TMCEN	871013	4.070	3.000		1.017	1.018	200.000	4.120	86.200	40.545
3327	TMCEN	871020	4.540	3.000		1.010	1.022	425.000	4.730	28.800	25.646
3353	TMCEN	871110	4.880	3.000	34.000	1.000	1.193	400.000	4.980	16.700	4.874
3365	TMCEN	871103	4.700	3.000		1.015	1.176	420.000	4.790	20.700	6.989
3400	TMCEN	871124	4.690	3.000		1.035	1.134	400.000	4.750	25.000	8.034

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
3459	TMCEN	871208	4.200	3.000		1.019	1.075	425.000	4.230	62.800	33.132
3461	TMCEN	871215	4.280	3.000		1.020	1.113	470.000	4.290	54.500	22.164
3472	TMCEN	871222	4.560			1.039	1.169	410.000	4.630	28.200	10.678
3505	TMCEN	871229	4.110	3.000	21.000	0.986	1.076	400.000	4.110	80.400	35.680

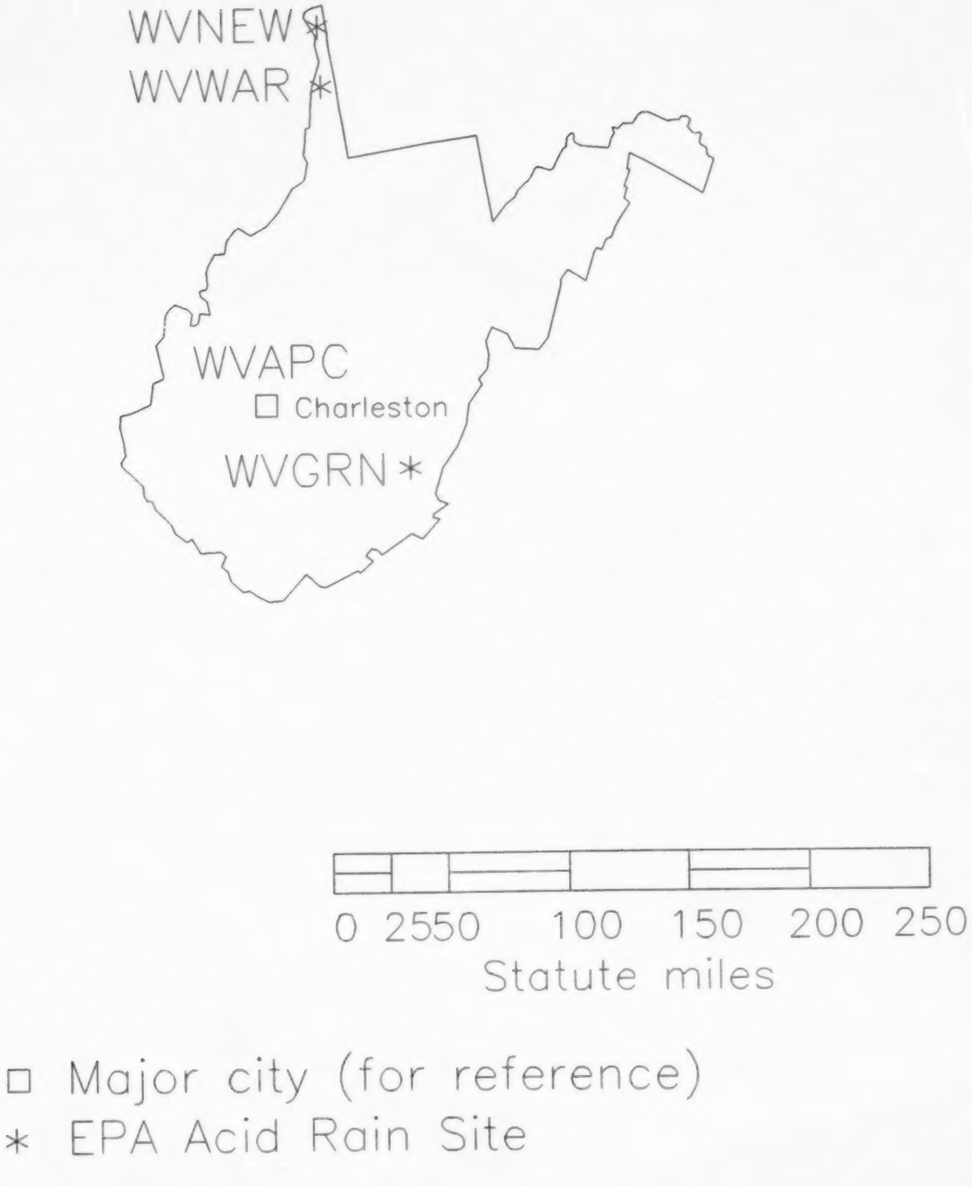
ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2854	TNCEN	870421									
2880	TNCEN	870428	0.066	0.407	-0.029	0.029	-0.074	5.170	6.605	1.537	0.165
			3.468	11.482	-0.622	0.307	-0.923	83.238	68.691	85.150	7.179
2964	TNCEN	870602	0.020	0.203	-0.007	-0.062	-0.005	1.615	3.886	0.359	0.119
			1.047	5.720	-0.143	-0.649	-0.058	26.007	40.417	19.872	5.171
3006	TNCEN	870616	0.010	0.118	-0.003	-0.018	-0.021	0.708	1.292	0.122	0.069
			0.511	3.314	-0.072	-0.189	-0.257	11.391	13.433	6.773	3.001
3060	TNCEN	870630	0.010	0.106	-0.006	-0.063	-0.006	0.789	1.406	0.185	0.050
			0.508	2.988	-0.134	-0.664	-0.079	12.709	14.622	10.248	2.157
3081	TNCEN	870707	0.018	0.243	-0.012	-0.067	-0.012	1.659	3.137	0.225	0.153
			0.967	6.847	-0.256	-0.709	-0.155	26.715	32.623	12.487	6.638
3139	TNCEN	870804	0.035	0.240	-0.036	0.094	-0.017	3.013	8.482	0.590	0.042
			1.864	6.762	-0.792	0.992	-0.209	48.515	88.208	32.711	1.826
3163	TNCEN	870811	0.014	0.174	-0.001	-0.087	-0.007	0.895	1.299	0.129	0.115
			0.752	4.913	-0.029	-0.913	-0.089	14.415	13.514	7.155	4.990
3197	TNCEN	870825	0.019	0.126	-0.006	-0.064	-0.014	1.322	2.875	0.309	0.055
			0.904	3.549	-0.128	-0.672	-0.176	21.283	29.902	17.114	2.380
3266	TNCEN	870915	0.011	0.055	-0.002	-0.092	-0.004	1.533	2.782	0.283	0.010
			0.570	1.554	-0.040	-0.965	-0.056	24.680	28.931	15.672	0.438
3276	TNCEN	870922	0.022	0.359	-0.004	-0.079	-0.008	1.508	2.899	0.242	0.209
			1.153	10.134	-0.086	-0.834	-0.097	24.286	30.152	13.405	9.109
3285	TNCEN	870929	0.006	0.057	0.011	-0.078	-0.006	0.381	1.236	0.138	0.045
			0.328	1.595	0.229	-0.820	-0.081	6.132	12.850	7.627	1.940
3300	TNCEN	871013	0.022	0.109	-0.002	-0.023	-0.036	2.222	4.885	0.456	0.052
			1.164	3.074	-0.044	-0.244	-0.450	35.776	50.801	25.243	2.263
3327	TNCEN	871020	0.029	0.681	-0.005	0.114	-0.026	2.453	4.245	0.203	0.064
			1.501	19.218	-0.118	1.195	-0.322	39.494	44.153	11.223	2.796
3353	TNCEN	871110	-0.002	0.132	-0.015	-0.097	-0.010	0.310	0.564	0.074	0.068
			-0.097	3.725	-0.337	-1.015	-0.121	4.997	5.860	4.116	2.979
3365	TNCEN	871103	-0.003	0.120	-0.010	-0.046	-0.009	0.434	0.765	0.039	0.065
			-0.158	3.389	-0.219	-0.478	-0.109	6.985	7.959	2.164	2.828
3400	TNCEN	871124	-0.007	0.137	-0.033	0.026	-0.044	0.550	0.778	0.073	0.057
			-0.373	3.868	-0.711	0.277	-0.550	8.848	8.094	4.043	2.474

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
3459	TNCEN	871208	0.017	0.809	-0.005	0.008	-0.011	1.725	4.132	0.403	0.541
			0.896	22.802	-0.102	0.084	-0.139	27.774	42.974	22.326	23.517
3461	TNCEN	871215	0.011	0.313	-0.005	0.022	0.091	1.378	1.996	0.055	0.164
			0.592	8.838	-0.116	0.228	1.143	22.185	20.761	3.021	7.148
3472	TNCEN	871222	-0.002	0.222	-0.005	0.015	-0.012	0.571	1.274	0.158	0.138
			-0.088	6.252	-0.111	0.156	-0.149	9.187	13.246	8.748	5.986
3505	TNCEN	871229	0.009	0.640	-0.081	0.016	-0.144	2.658	2.712	0.246	0.337
			0.462	18.035	-1.750	0.172	-1.797	42.791	28.208	13.619	14.643

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2854	TNCEN	870421			
2880	TNCEN	870428	0.176	1.155	0.120
			4.504	28.817	4.941
2964	TNCEN	870602	0.077	0.296	0.042
			1.974	7.390	1.746
3006	TNCEN	870616	0.114	0.170	0.025
			2.908	4.233	1.022
3060	TNCEN	870630	0.080	0.089	0.017
			2.045	2.209	0.694
3081	TNCEN	870707	0.112	0.343	0.059
			2.860	8.551	2.432
3139	TNCEN	870804	0.199	0.666	0.073
			5.079	16.605	3.021
3163	TNCEN	870811	0.029	0.230	0.030
			0.754	5.740	1.218
3197	TNCEN	870825	0.039	0.219	0.020
			0.999	5.456	0.820
3266	TNCEN	870915	0.023	0.192	0.012
			0.578	4.793	0.498
3276	TNCEN	870922	0.068	0.504	0.063
			1.731	12.573	2.588
3285	TNCEN	870929	0.007	0.019	0.005
			0.167	0.480	0.205
3300	TNCEN	871013	0.058	0.631	0.044
			1.492	15.738	1.829
3327	TNCEN	871020	0.691	1.776	0.144
			17.675	44.304	5.922
3353	TNCEN	871110	0.011	0.031	0.014
			0.284	0.780	0.567
3365	TNCEN	871103	0.031	0.062	0.012
			0.790	1.547	0.486
3400	TNCEN	871124	0.018	0.062	0.013
			0.457	1.559	0.515

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
3459	TMCEN	871208	0.108	0.404	0.098
			2.760	10.077	4.036
3461	TMCEN	871215	0.035	0.179	0.033
			0.883	4.475	1.348
3472	TMCEN	871222	0.019	0.023	0.015
			0.487	0.564	0.629
3505	TMCEN	871229	0.041	0.192	0.050
			1.043	6.792	2.053

West Virginia


WVNEW
WVWAR
WVAPC
Charleston
WVGRN
0 2550 100 150 200 250
Statute miles
□ Major city (for reference)
∗ EPA Acid Rain Site

WEST VIRGINIA

SITE	SITE NAME	NEAREST CITY	COUNTY	SAMPLING PERIOD[1] BEGIN	END	#SAMPLES	%NON-VOID[2]
WVAPC	Charleston APC	Charleston	Kanawha		Jan 87	3	100
WVGRN	Greenbrier	Lewisburg	Greenbrier		Jan 87	1	100
WVNEW	New Manchester	New Comberland	Hancock		Feb 87	5	80
WVWAR	Warwood Ave.	Wheeling	Ohio		Feb 87	5	100

(1) Begin always JAN 87, end always DEC 87 unless otherwise noted.

(2) Percentage of samples received which were not voided by GGC due to contamination.

Figure 2-1 (continued)
SITE: WVWAR
Data Plots, Jan '87 - Dec '87

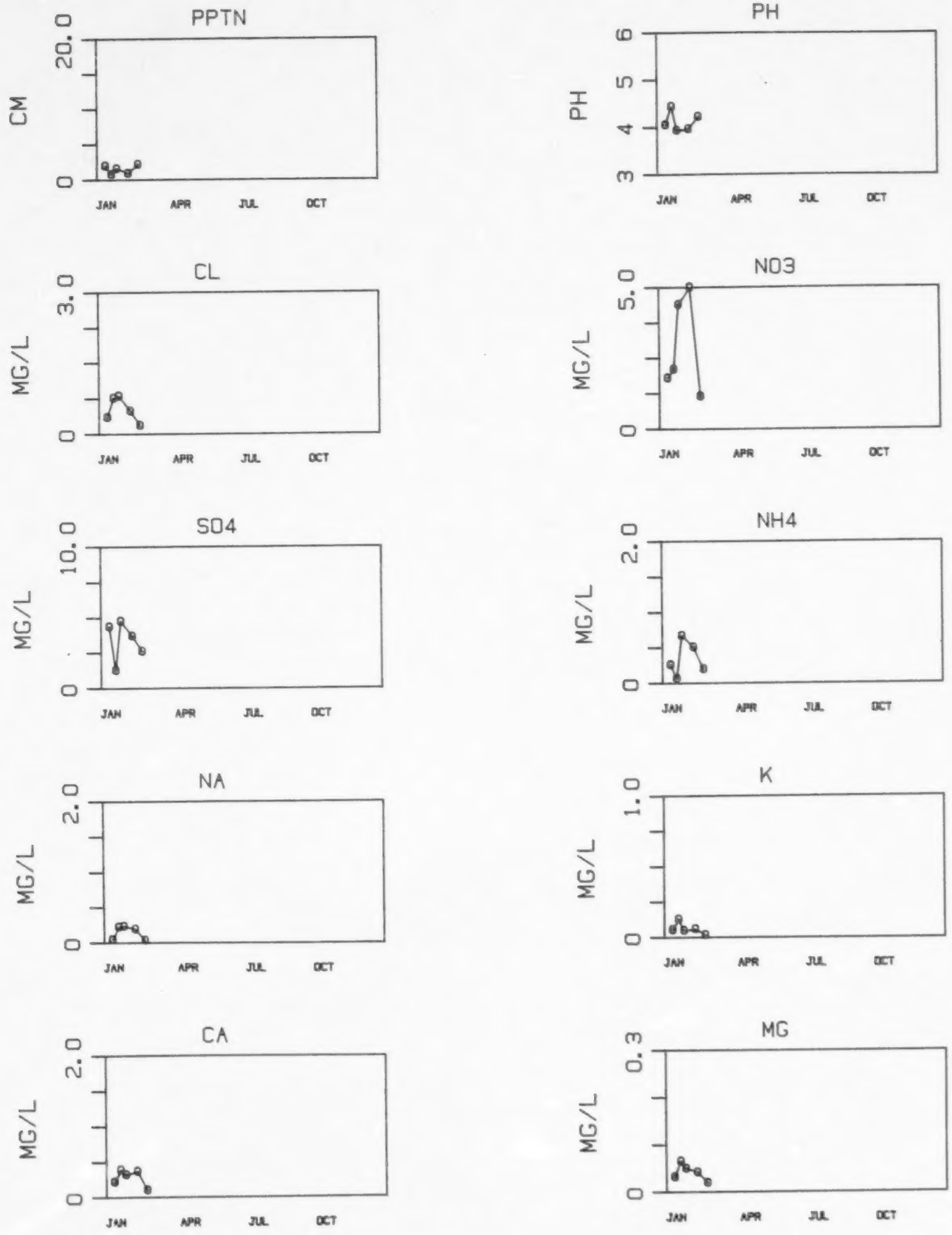
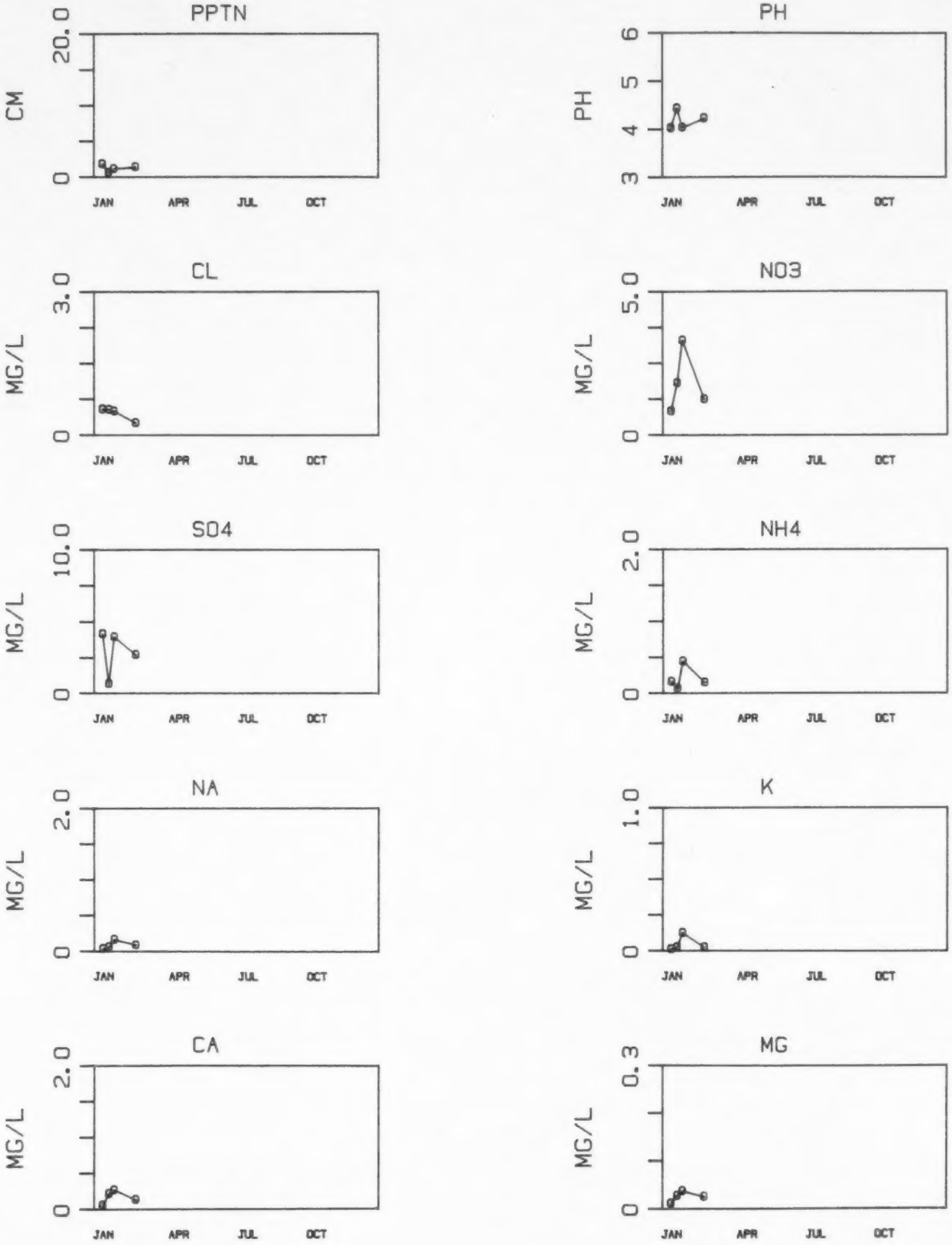


Figure 2-1 (continued)

SITE: WVNEW

Data Plots, Jan '87 - Dec '87



ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2575	WVAPC	870113	2.00		870120		870205			2335.40	6.1
2588	WVAPC	870120	1.00		870128		870210			1107.60	28.5
2612	WVAPC	870128	2.00		870203		870218	5		828.20	44.9

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2575	WVAPC	870113	4.82	3	31	1.01	1.15	375.0	4.69	25.2	8.6
2588	WVAPC	870120	4.39	3	3334	1.07	0.99	300.0	4.34	54.7	30.0
2612	WVAPC	870128	4.17	3	31	1.03	1.02	250.0	4.08	89.4	49.0

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2575	WVAPC	870113	0.014 0.733	-0.071 -2.007	-0.133 -2.901	0.024 0.252	-0.127 -1.588	0.658 10.601	0.838 8.719	0.106 5.889	0.015 0.647
2588	WVAPC	870120	0.023 1.212	1.395 39.340	-0.111 -2.423	0.035 0.363	-0.106 -1.321	2.606 41.961	2.001 20.812	0.640 35.430	0.535 23.275
2612	WVAPC	870128	0.044 2.332	1.096 30.918	-0.009 -0.197	-0.021 -0.219	0.153 1.915	4.348 70.003	4.240 44.095	0.907 50.230	0.645 28.046

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2575	WVAPC	870113	0.009	0.036	0.007
			0.227	0.895	0.289
2588	WVAPC	870120	0.018	0.210	0.029
			0.460	5.237	1.187
2612	WVAPC	870128	0.044	0.394	0.082
			1.122	9.822	3.358

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2576	WVGRN	870113	2.00		870120		870205			2300.40	9.7

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2576	WVGRN	870113	4.89	3		1.01	1.16	450.0	4.69	27.0	8.2

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2576	WPGRN	870113	0.017	-0.073	-0.138	0.029	-0.131	0.597	0.749	0.048	0.023
			0.882	-2.072	-2.994	0.307	-1.638	9.609	7.788	2.647	1.000

ID	STN	BD	K	CA	MG
			ug/ml	ug/ml	ug/ml
			umoles/l	umoles/l	umoles/l
2576	WVGRN	870113	0.010	0.042	0.007
			0.243	1.056	0.289

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2538	WVNEW	870112		1200	870120	1200	870127			1246.60	33.1
2577	WVNEW	870120	1.00	1200	870127	1200	870205			398.90	18.7
2585	WVNEW	870127		1200	870204	1200	870209			758.10	51.3
2649	WVNEW	870211			870217		870227	2		299.30	102.0
2680	WVNEW	870224		1200	870304	1200	870316	3		925.50	29.6

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2538	WVNEW	870112	4.19	3		1.09	1.03	250.0	4.02	105.2	41.8
2577	WVNEW	870120	4.45	3		1.04	1.08	42.0	4.43		17.0
2585	WVNEW	870127	4.00	3		1.07	0.96	100.0	4.03	111.7	49.0
2649	WVNEW	870211	3.80	3	99	9999.00	9999.00	100.0	3.73		
2680	WVNEW	870224	4.21	3		1.06	1.03	150.0	4.22	69.3	27.8

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ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2538	WVNEW	870112	0.058	0.533	-0.006	0.035	-0.008	0.816	4.137	0.157	0.030
			3.052	15.040	-0.125	0.362	-0.098	13.144	43.023	8.687	1.311
2577	WVNEW	870120	0.024	0.526	-0.011	-0.049	-0.024	1.809	0.649	0.062	0.059
			1.259	14.833	-0.233	-0.512	-0.296	29.129	6.749	3.415	2.563
2585	WVNEW	870127	0.042	0.491	-0.129	0.026	0.183	3.292	3.935	0.441	0.162
			2.212	13.844	-2.799	0.269	2.289	52.997	40.928	24.431	7.052
2649	WVNEW	870211									
2680	WVNEW	870224	0.029	0.247	-0.027	-0.163	0.087	1.239	2.690	0.145	0.086
			1.531	6.972	-0.582	-1.717	1.093	19.955	27.974	8.054	3.720

PROJECT: EPAAR2
GLOBAL GEOCHEMISTRY

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2538	WVWEW	870112	0.009 0.232	0.049 1.227	0.011 0.448
2577	WVWEW	870120	0.025 0.639	0.213 5.309	0.027 1.117
2585	WVWEW	870127	0.122 3.127	0.266 6.644	0.037 1.518
2649	WVWEW	870211			
2680	WVWEW	870224	0.022 0.564	0.131 3.279	0.025 1.024

ID	STN	BD	TYPE	BT	ED YRMODY	ET	DR YRMODY	EVENT # EVENTS	INCH	FWT gm	FCOND umho/cm
2548	WVWAR	870112		1200	870120	1200	870128			1346.40	45.5
2560	WVWAR	870120	1.00	1200	870127	1200	870203			500.60	21.6
2589	WVWAR	870127		1200	870204	1200	870210			1062.40	65.1
2637	WVWAR	870211		1200	870217	1200	870224	2		600.50	53.6
2689	WVWAR	870224		1200	870304	1200	870317	3		1471.00	27.4

ID	STN	BD	FPH	CODE1	CODE2	A/C	TC/MC	WT	PH	GRAN uequiv/l	COND umho/cm
2548	WVWAR	870112	4.10	3		1.13	0.99	250.0	4.05	99.6	43.3
2560	WVWAR	870120	4.47	3		1.09	1.02	50.0	4.44		20.7
2589	WVWAR	870127	3.94	3		1.08	0.93	200.0	3.93	136.9	64.6
2637	WVWAR	870211	3.99	3		1.04	0.99	300.0	3.96	121.0	55.6
2689	WVWAR	870224	4.23	3		1.01	1.05	525.0	4.22	62.7	25.9

ID	STN	BD	F ug/ml umoles/l	CL ug/ml umoles/l	NO2 ug/ml umoles/l	PO4 ug/ml umoles/l	BR ug/ml umoles/l	NO3 ug/ml umoles/l	SO4 ug/ml umoles/l	NH4 ug/ml umoles/l	NA ug/ml umoles/l
2548	WVWAR	870112	0.039	0.349	-0.005	0.050	0.081	1.799	4.363	0.256	0.042
			2.040	9.841	-0.116	0.523	1.019	28.961	45.377	14.188	1.835
2560	WVWAR	870120	0.022	0.757	-0.048	0.034	-0.047	2.107	1.266	0.064	0.220
			1.171	21.335	-1.038	0.361	-0.585	33.918	13.169	3.526	9.573
2589	WVWAR	870127	0.088	0.801	-0.107	0.024	0.202	4.395	4.761	0.668	0.231
			4.650	22.575	-2.329	0.250	2.526	70.754	49.513	37.022	10.031
2637	WVWAR	870211	0.039	0.483	-0.003	-0.035	0.025	5.150	3.686	0.507	0.189
			2.051	13.620	-0.072	-0.372	0.312	82.918	38.334	28.088	8.223
2689	WVWAR	870224	0.019	0.174	-0.032	-0.210	0.080	1.150	2.603	0.197	0.033
			1.003	4.920	-0.699	-2.201	1.004	18.509	27.070	10.909	1.427

ID	STN	BD	K ug/ml umoles/l	CA ug/ml umoles/l	MG ug/ml umoles/l
2548	WVWAR	870112	0.051 1.310	0.218 5.436	0.032 1.305
2560	WVWAR	870120	0.127 3.238	0.387 9.645	0.065 2.683
2589	WVWAR	870127	0.047 1.205	0.320 7.989	0.050 2.042
2637	WVWAR	870211	0.057 1.469	0.367 9.148	0.042 1.724
2689	WVWAR	870224	0.016 0.398	0.102 2.537	0.019 0.794

3.0 SUMMARY OF ANALYTICAL DATA BY SITE

Table 3-1 compares the occurrence of different concentration levels at each site for the time period JAN 87 through DEC 87. The concentration at which 100%, 75%, 50%, 25%, and 0% of the samples have concentrations greater than the given value are listed for each site and for each analyte.

Table 3-2 gives the precipitation weighted mean data for the time period JAN 87 through DEC 87. pH data were converted to hydrogen ion concentration, weighted and then converted back to pH.

For Tables 3-1 and 3-2, samples which have the following values under the "CODE2" mnemonic are excluded: "99" - this is a sample voided by GGC because of visually obvious contamination; "31" - a sample which the field operator indicated as having bird droppings; "32" - a sample which the field operator indicated as being cloudy or colored; "34" - a sample which the field operator indicated as having insects; "90" - a dry side bucket.

Note that data are included in Tables 3-1 and 3-2 even if the operator indicated a sampler malfunction or if the operator indicated that there was dirt or dust in the sample.

TABLE 3-1

CUMULATIVE FREQUENCY OF OCCURRENCE: PPTN, CM

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	0.31	1.78	3.16	4.34	10.13
ALMOB	28	0.13	1.14	3.30	5.41	12.57
DEGEO	45	0.03	0.25	1.27	2.54	106.68
DELUM	43	0.03	0.25	1.40	3.18	10.16
GADAW	31	0.13	1.02	1.84	3.87	12.95
GADUF	22	0.08	0.70	1.47	2.54	7.49
GAHIW	23	0.04	1.56	2.93	5.41	10.46
GASUM	37	0.20	0.73	1.97	3.78	10.16
GAWAY	24	0.05	1.40	2.16	4.24	5.89
GABFG	23	0.25	0.51	1.27	2.41	7.54
KYGRA	43	0.11	0.41	0.79	2.15	7.80
KYMAM	37	0.04	0.40	1.83	3.32	13.00
LACAR	19	0.00	0.41	1.35	4.65	8.69
LACHS	29	0.53	0.87	2.08	3.49	30.28
LAROS	34	0.08	0.83	2.29	5.45	12.85
MDRGP	39	0.09	0.57	1.18	2.29	5.56
MD3EC	32	0.10	0.81	1.78	3.11	5.97
MSUNI	34	0.25	1.19	1.91	3.31	14.48
SCCAP	36	0.03	0.72	2.16	4.22	13.13
SCCON	35	0.08	0.49	1.63	3.42	9.77
SCDEL	30	0.02	0.53	1.53	3.81	11.44
SCLON	34	0.12	0.89	1.98	4.08	7.59
TNCEN	26	0.10	0.46	1.35	2.72	11.89
WVAPC	0	0.00	0.00	0.00	0.00	0.00
WVGRN	1	3.39	0.85	1.69	2.54	3.39
WVNEW	4	0.59	0.59	1.12	1.36	1.84
WVWAR	5	0.74	0.77	1.22	1.88	2.17
SDAPR	32	0.03	0.25	0.94	1.88	5.56
SDBGP	1	0.13	0.03	0.06	0.10	0.13
SDBPR	33	0.03	0.25	0.93	1.85	5.56
SDCUS	8	0.08	0.23	0.58	0.97	1.14

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: PH

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	4.11	4.30	4.54	4.60	4.90
ALMOB	28	3.70	4.20	4.38	4.62	5.67
DEGEO	45	3.21	4.11	4.38	4.75	5.96
DELUM	43	3.48	3.97	4.18	4.43	4.91
GADAW	31	4.00	4.25	4.38	4.55	5.20
GADUF	22	3.91	4.21	4.50	4.73	5.07
GAHIW	23	3.99	4.20	4.38	4.70	5.02
GASUM	37	3.74	4.18	4.34	4.50	4.89
GAWAY	24	4.03	4.44	4.67	4.78	5.24
GABFG	23	3.74	4.22	4.41	4.63	5.00
KYGRA	43	3.71	3.94	4.17	4.36	5.51
KYMAM	37	3.84	4.21	4.32	4.48	6.37
LACAR	19	4.15	4.64	5.05	5.45	6.07
LACHS	29	4.22	4.51	4.69	4.85	5.27
LAROS	34	3.97	4.49	4.74	4.98	5.51
MDRGP	39	3.55	3.94	4.03	4.31	4.72
MD3EC	32	3.51	4.02	4.34	4.52	5.45
MSUNI	34	4.00	4.39	4.55	4.72	6.50
SCCAP	36	4.02	4.30	4.53	4.81	5.16
SCCON	35	3.64	4.29	4.45	4.70	4.97
SCDEL	30	3.87	4.21	4.41	4.70	6.85
SCLON	34	3.81	4.16	4.32	4.56	5.00
TNCFN	26	3.84	4.22	4.34	4.67	4.79
WVAPC	0	0.00	0.00	0.00	0.00	0.00
WVGRN	1	4.69	1.17	2.35	3.52	4.69
WVNEW	4	4.02	4.02	4.03	4.22	4.43
WVWAR	5	3.93	3.94	4.01	4.18	4.44
SDAPR	32	4.47	5.03	5.49	5.65	6.44
SDBGP	1	5.83	1.46	2.92	4.37	5.83
SDBPR	33	4.46	5.09	5.46	5.72	6.50
SDCUS	8	4.98	5.14	5.40	5.69	6.33

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: COND, UMHO/CM

% OF SAMPLES GREATER THAN GIVEN VALUE

SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	5.4	9.9	12.9	20.7	40.2
ALMOD	28	9.2	13.3	20.7	29.3	108.2
DEGEO	45	3.3	10.3	23.8	42.2	326.1
DELUM	43	7.8	22.0	33.8	48.6	200.6
GADAW	31	5.1	15.2	20.7	29.1	67.1
GADUF	22	4.6	8.2	15.1	25.5	69.9
GAHIW	23	3.3	8.2	16.4	26.4	62.3
GASUM	37	5.4	14.7	21.7	32.9	92.7
GAWAY	24	2.6	8.6	11.6	18.9	55.8
GABFG	23	5.2	11.1	15.0	28.3	88.6
KYGRA	43	8.4	19.8	31.3	53.3	95.1
KYMAM	37	0.0	15.5	21.9	32.0	77.3
LACAR	19	0.6	8.2	12.9	18.1	30.9
LACHS	29	2.8	7.5	11.1	15.0	40.8
LAROS	34	1.4	7.8	14.8	18.4	57.7
MDRGP	39	7.1	21.2	44.8	53.3	146.0
MD3EC	32	9.4	17.1	27.9	47.9	149.1
MSUNI	34	4.7	9.7	13.6	17.8	55.0
SCCAP	36	7.4	11.6	18.5	27.2	103.4
SCCON	35	5.2	10.9	18.6	27.0	116.1
SCDEL	30	0.0	7.9	14.7	30.8	65.7
SCLON	34	6.9	13.3	20.6	31.5	73.1
TNCEN	26	6.4	10.6	23.6	31.1	82.3
WVAPC	0	0.0	0.0	0.0	0.0	0.0
WVGRN	1	8.2	2.0	4.1	6.1	8.2
WVNEW	4	17.0	17.0	27.8	41.8	49.0
WVWAR	5	20.7	22.0	34.6	52.5	64.6
SDAPR	32	0.9	4.4	7.0	10.5	16.9
SDBGP	1	3.7	0.9	1.8	2.7	3.7
SDBPR	33	1.0	4.5	7.6	10.5	17.2
SDCUS	8	0.0	3.5	4.7	7.0	9.4

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: F,MG/L

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	-0.006	-0.003	0.008	0.011	0.028
ALMOB	28	-0.033	0.004	0.011	0.021	0.059
DEGEO	45	-0.036	-0.002	0.011	0.028	0.268
DELUM	43	-0.034	0.006	0.019	0.037	0.120
GADAW	31	-0.036	0.008	0.011	0.018	0.061
GADUF	22	-0.002	0.003	0.009	0.022	0.049
GAHIW	23	-0.021	-0.003	0.008	0.015	0.093
GASUM	37	-0.009	0.009	0.014	0.026	0.064
GAWAY	24	-0.011	-0.001	0.006	0.012	0.045
GABFG	23	-0.006	0.009	0.013	0.017	0.058
KYGRA	43	-0.022	0.011	0.023	0.029	0.057
KYMAM	37	-0.031	0.002	0.014	0.022	0.043
LACAR	19	-0.030	0.006	0.019	0.029	0.135
LACHS	29	-0.027	-0.005	0.009	0.015	0.036
LAROS	34	-0.003	0.001	0.012	0.018	0.032
MDRGP	39	-0.041	0.010	0.019	0.026	0.086
MD3EC	32	-0.025	0.005	0.016	0.022	0.060
MSUNI	34	-0.017	0.001	0.011	0.015	0.058
SCCAP	36	-0.027	-0.002	0.008	0.020	0.058
SCCON	35	-0.015	0.004	0.013	0.029	0.087
SCDEL	30	-0.013	-0.001	0.011	0.020	0.043
SCLON	34	-0.029	0.009	0.014	0.025	0.063
TNCEN	26	-0.007	0.007	0.011	0.018	0.066
WVAPC	0	0.000	0.000	0.000	0.000	0.000
WVGRN	1	0.017	0.004	0.008	0.013	0.017
WVNEW	4	0.024	0.024	0.029	0.042	0.058
WVWAR	5	0.019	0.020	0.031	0.039	0.088
SDAPR	32	-0.040	-0.001	0.011	0.013	0.026
SDBGP	1	-0.005	-0.001	-0.002	-0.003	-0.005
SDBPR	33	-0.039	0.004	0.010	0.016	0.107
SDCUS	8	-0.001	0.000	0.012	0.013	0.016

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: CL,MG/L

SITE	#PTS	% OF SAMPLES GREATER THAN GIVEN VALUE				
		100%	75%	50%	25%	0%
ALTAL	19	0.047	0.108	0.162	0.389	0.831
ALMOB	28	0.105	0.299	0.574	0.987	2.481
DEGEO	45	0.066	0.223	0.313	0.662	4.337
DELUM	43	0.086	0.194	0.292	0.528	3.561
GADAW	31	0.067	0.170	0.235	0.401	0.859
GADUF	22	0.076	0.160	0.254	0.457	1.261
GAHIW	23	0.043	0.090	0.160	0.240	0.521
GASUM	37	0.028	0.120	0.202	0.320	1.493
GAWAY	24	0.068	0.199	0.332	0.680	5.043
GABFG	23	0.022	0.175	0.242	0.348	0.829
KYGRA	43	0.017	0.103	0.153	0.273	0.670
KYMAM	37	0.000	0.083	0.126	0.217	0.630
LACAR	19	0.004	0.225	0.467	0.863	5.288
LACHS	29	-0.055	0.114	0.311	0.441	3.591
LAROS	34	0.029	0.163	0.280	0.587	2.147
MDRGP	39	0.021	0.080	0.142	0.227	0.931
MD3EC	32	0.113	0.288	0.512	1.201	9.346
MSUNI	34	0.020	0.102	0.201	0.335	0.775
SCCAP	36	0.309	0.502	0.882	2.244	14.598
SCCON	35	0.045	0.156	0.310	0.728	3.157
SCDEL	30	0.000	0.125	0.235	0.557	1.336
SCLON	34	0.066	0.129	0.197	0.355	1.700
TNCEN	26	0.014	0.096	0.203	0.321	0.809
WVAPC	0	0.000	0.000	0.000	0.000	0.000
WVGRN	1	-0.073	-0.018	-0.037	-0.055	-0.073
WVNEW	4	0.247	0.247	0.491	0.526	0.533
WVWAR	5	0.174	0.218	0.416	0.688	0.801
SDAPR	32	-0.788	0.021	0.044	0.067	0.250
SDBGP	1	0.052	0.013	0.026	0.039	0.052
SDBPR	33	-0.714	0.028	0.054	0.074	0.191
SDCUS	8	0.000	0.026	0.041	0.049	0.064

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: NO2,MG/L

SITE	#PTS	% OF SAMPLES GREATER THAN GIVEN VALUE				
		100%	75%	50%	25%	0%
ALTAL	19	-0.098	-0.028	-0.009	-0.004	-0.002
ALMOB	28	-0.047	-0.010	-0.006	-0.004	-0.001
DEGEO	45	-0.124	-0.019	-0.006	-0.003	0.093
DELUM	43	-0.116	-0.022	-0.008	-0.004	0.023
GADAW	31	-0.101	-0.013	-0.007	-0.003	0.052
GADUF	22	-0.082	-0.014	-0.007	-0.002	0.020
GAHIW	23	-0.078	-0.011	-0.006	-0.002	-0.001
GASUM	37	-0.020	-0.008	-0.003	-0.001	0.028
GAWAY	24	-0.042	-0.006	-0.005	-0.002	-0.001
GABFG	23	-0.142	-0.022	-0.005	-0.003	0.035
KYGRA	43	-0.151	-0.011	-0.005	-0.002	0.035
KYMAM	37	-0.081	-0.014	-0.006	-0.002	0.021
LACAR	19	-0.077	-0.018	-0.007	-0.004	0.034
LACHS	29	-0.137	-0.012	-0.005	-0.003	-0.001
LAROS	34	-0.047	-0.017	-0.007	-0.004	0.020
MDRGP	39	-0.060	-0.007	-0.004	-0.002	0.024
MD3EC	32	-0.055	-0.014	-0.006	-0.003	0.023
MSUNI	34	-0.108	-0.013	-0.004	-0.002	0.015
SCCAP	36	-0.146	-0.013	-0.006	-0.002	-0.001
SCCON	35	-0.072	-0.008	-0.006	-0.003	-0.000
SCDEL	30	-0.040	-0.007	-0.005	-0.002	0.035
SCLON	34	-0.078	-0.012	-0.006	-0.004	0.013
TNCEN	26	-0.129	-0.023	-0.008	-0.005	0.011
WVAPC	0	0.000	0.000	0.000	0.000	0.000
WVGRN	1	-0.138	-0.034	-0.069	-0.103	-0.138
WVNEW	4	-0.129	-0.129	-0.027	-0.011	-0.006
WVWAR	5	-0.107	-0.092	-0.040	-0.012	-0.003
SDAPR	32	-0.133	-0.016	-0.006	-0.004	0.046
SDBGP	1	-0.006	-0.001	-0.003	-0.004	-0.006
SDBPR	33	-0.121	-0.011	-0.005	-0.002	0.045
SDCUS	8	-0.059	-0.005	-0.004	-0.001	0.027

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: PO4,MG/L

SITE	#PTS	% OF SAMPLES GREATER THAN GIVEN VALUE 100%	75%	50%	25%	0%
ALTAL	19	-0.17	-0.06	0.02	0.04	0.16
ALMOB	28	-0.11	-0.07	-0.04	0.04	0.12
DEGEO	45	-0.18	-0.07	-0.04	0.02	0.07
DELUM	43	-0.19	-0.07	-0.04	0.02	0.07
GADAW	31	-0.19	-0.06	-0.04	0.03	0.07
GADUF	22	-0.08	-0.06	-0.05	0.02	0.04
GAHIW	23	-0.08	-0.05	-0.03	0.02	0.22
GASUM	37	-0.08	-0.05	-0.02	0.05	0.24
GAWAY	24	-0.07	-0.06	-0.02	0.01	0.07
GABFG	23	-0.15	-0.05	0.02	0.05	0.17
KYGRA	43	-0.20	-0.07	-0.02	0.03	0.21
KYMAM	37	-0.08	-0.06	-0.01	0.04	0.08
LACAR	19	-0.12	-0.06	0.01	0.07	0.34
LACHS	29	-0.08	-0.06	-0.02	0.03	0.09
LAROS	34	-0.08	-0.06	-0.04	0.03	0.09
MDRGP	39	-0.09	-0.06	-0.02	0.03	0.08
MD3EC	32	-0.09	-0.06	-0.02	0.06	0.80
MSUNI	34	-0.08	-0.06	-0.02	0.04	0.88
SCCAP	36	-0.10	-0.07	-0.05	0.02	0.06
SCCON	35	-0.09	-0.06	-0.04	0.02	0.09
SCDEL	30	-0.13	-0.05	0.01	0.04	0.09
SCLON	34	-0.11	-0.06	0.01	0.04	0.07
TNCEN	26	-0.20	-0.06	0.01	0.04	0.11
WVAPC	0	0.00	0.00	0.00	0.00	0.00
WVGRN	1	0.03	0.01	0.01	0.02	0.03
WVNEW	4	-0.16	-0.16	-0.05	0.03	0.03
WVWAR	5	-0.21	-0.17	-0.01	0.03	0.05
SDAPR	32	-0.08	-0.06	-0.01	0.07	0.31
SDBGP	1	0.06	0.01	0.03	0.04	0.06
SDBPR	33	-0.13	-0.06	-0.03	0.07	0.24
SDCUS	8	-0.07	-0.05	-0.02	0.00	0.12

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: BR, MG/L

% OF SAMPLES GREATER THAN GIVEN VALUE

SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	-0.093	-0.030	-0.012	-0.007	0.129
ALMOB	28	-0.044	-0.020	-0.010	-0.007	0.078
DEGEO	45	-0.118	-0.034	-0.013	-0.007	0.133
DELUM	43	-0.164	-0.030	-0.011	-0.006	0.207
GADAW	31	-0.180	-0.020	-0.015	-0.008	0.019
GADUF	22	-0.079	-0.028	-0.016	-0.007	0.033
GAHIW	23	-0.075	-0.018	-0.011	-0.007	-0.004
GASUM	37	-0.060	-0.017	-0.011	-0.007	0.358
GAWAY	24	-0.040	-0.024	-0.013	-0.007	0.064
GABFG	23	-0.134	-0.028	-0.017	-0.008	0.075
KYGRA	43	-0.143	-0.023	-0.009	-0.005	0.171
KYMAM	37	-0.077	-0.016	-0.009	-0.005	0.144
LACAR	19	-0.073	-0.016	-0.010	-0.006	-0.004
LACHS	29	-0.130	-0.022	-0.009	-0.006	-0.004
LAROS	34	-0.073	-0.019	-0.009	-0.006	0.076
MDRGP	39	-0.068	-0.023	-0.010	-0.006	0.347
MD3EC	32	-0.066	-0.016	-0.010	-0.005	0.084
MSUNI	34	-0.103	-0.023	-0.011	-0.007	0.035
SCCAP	36	-0.138	-0.018	-0.011	-0.006	0.065
SCCON	35	-0.128	-0.015	-0.011	-0.006	0.027
SCDEL	30	-0.037	-0.023	-0.013	-0.008	0.000
SCLON	34	-0.138	-0.017	-0.010	-0.007	0.028
TNCEN	26	-0.144	-0.035	-0.014	-0.008	0.091
WVAPC	0	0.000	0.000	0.000	0.000	0.000
WVGRN	1	-0.131	-0.033	-0.065	-0.098	-0.131
WVNEW	4	-0.024	-0.024	-0.008	0.087	0.163
WVWAR	5	-0.047	-0.029	0.053	0.081	0.202
SDAPR	32	-0.126	-0.026	-0.012	-0.007	-0.004
SDBGP	1	-0.008	-0.002	-0.004	-0.006	-0.008
SDBPR	33	-0.115	-0.025	-0.012	-0.008	-0.004
SDCUS	8	-0.033	-0.030	-0.017	-0.009	0.000

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: NO3,MG/L

% OF SAMPLES GREATER THAN GIVEN VALUE

SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	0.40	0.48	0.77	1.27	2.19
ALMOB	28	0.21	0.59	1.00	1.59	5.14
DEGEO	45	0.08	0.56	1.42	3.10	19.74
DELUM	43	0.35	0.99	2.20	3.88	23.49
GADAW	31	0.33	0.80	1.16	1.66	5.22
GADUP	22	0.19	0.51	0.96	1.53	4.42
GAHIW	23	0.28	0.47	1.00	1.33	4.20
GASUM	37	0.23	0.72	1.12	1.96	5.16
GAWAY	24	0.11	0.43	0.66	0.88	3.19
GABFG	23	0.19	0.54	0.72	1.61	5.07
KYGRA	43	0.34	1.36	2.26	3.52	6.77
KYMAM	37	0.00	0.85	1.30	2.01	7.23
LACAR	19	-0.03	0.39	1.10	1.23	1.95
LACHS	29	0.21	0.53	0.91	1.33	2.93
LAROS	34	0.13	0.52	0.88	1.53	4.31
MDRGP	39	0.57	1.16	2.27	3.78	9.00
MD3EC	32	0.25	0.86	1.40	3.08	8.69
MSUNI	34	0.30	0.73	0.99	1.30	4.57
SCCAP	36	0.16	0.36	0.85	1.36	3.10
SCCON	35	0.23	0.56	0.86	1.73	4.74
SCDEL	30	0.00	0.61	0.96	1.77	4.82
SCLON	34	0.40	0.71	1.23	1.65	3.77
TNCEN	26	0.37	0.72	1.51	2.21	5.98
WVAPC	0	0.00	0.00	0.00	0.00	0.00
WVGRN	1	0.60	0.15	0.30	0.45	0.60
WVNEW	4	0.82	0.82	1.24	1.81	3.29
WVWAR	5	1.15	1.31	1.95	3.82	5.15
SDAPR	32	-1.50	0.64	1.03	1.67	2.98
SDBGP	1	0.82	0.21	0.41	0.62	0.82
SDBPR	33	0.12	0.68	1.35	1.69	3.05
SDCUS	8	0.00	0.52	0.68	0.89	1.15

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: SO4,MG/L

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	0.53	1.10	1.36	2.17	4.44
ALMOB	28	0.52	1.30	1.79	2.78	10.60
DEGEO	45	0.30	1.00	2.09	3.76	34.86
DELUM	43	0.68	1.85	3.06	4.90	25.96
GADAW	31	0.29	1.54	2.04	2.96	8.81
GADUF	22	0.41	0.79	1.42	2.43	7.36
GAHIW	23	0.23	0.92	1.86	2.84	6.58
GASUM	37	0.63	1.58	2.28	3.35	9.31
GAWAY	24	0.19	0.79	1.04	1.51	4.10
GABFG	23	0.46	0.93	1.45	2.74	7.93
KYGRA	43	0.85	1.81	3.10	5.48	10.24
KYMAM	37	0.00	1.60	2.27	3.59	8.56
LACAR	19	0.03	1.20	1.57	2.70	4.03
LACHS	29	0.29	0.78	1.08	1.55	3.67
LAROS	34	0.12	0.69	1.32	2.16	6.10
MDRGP	39	0.40	1.89	3.08	5.07	13.89
MDBEC	32	0.76	1.45	2.47	3.42	12.54
MSUNI	34	0.44	0.96	1.38	1.74	5.17
SCCAP	36	0.47	0.77	1.28	2.07	6.97
SCCON	35	0.50	1.04	1.55	2.35	11.10
SCDEL	30	0.00	0.74	1.34	2.78	5.71
SCLON	34	0.55	1.32	1.90	3.37	7.93
TNCEN	26	0.67	1.21	2.23	3.54	7.71
WVAPC	0	0.00	0.00	0.00	0.00	0.00
WVGRN	1	0.75	0.19	0.37	0.56	0.75
WVNEW	4	0.65	0.65	2.69	3.94	4.14
WVWAR	5	1.27	1.60	3.14	4.19	4.76
SDAPR	32	0.07	0.43	0.78	1.03	2.26
SDBGP	1	0.26	0.07	0.13	0.20	0.26
SDBPR	33	0.07	0.47	0.82	1.13	2.27
SDCUS	8	0.00	0.25	0.58	0.79	1.29

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: NH4,MG/L

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	0.05	0.09	0.13	0.26	0.51
ALMOB	28	-0.19	0.07	0.12	0.27	1.18
DEGEO	45	0.07	0.16	0.38	0.65	4.16
DELUM	43	0.03	0.10	0.31	0.59	5.16
GADAW	31	0.10	0.18	0.30	0.44	3.54
GADUF	22	0.03	0.09	0.19	0.23	1.11
GAHIW	23	0.02	0.08	0.21	0.38	1.44
GASUM	37	0.05	0.10	0.20	0.45	1.62
GAWAY	24	-0.01	0.05	0.09	0.14	0.35
GABFG	23	0.02	0.07	0.13	0.23	0.64
KYGRA	43	0.02	0.13	0.30	0.60	0.99
KYMAM	37	0.00	0.11	0.22	0.40	1.16
LACAR	19	0.01	0.30	0.58	0.98	1.43
LACHS	29	0.05	0.10	0.15	0.23	0.64
LAROS	34	0.02	0.11	0.21	0.40	1.31
MDRGP	39	0.02	0.20	0.32	0.48	1.02
MD3EC	32	-0.01	0.14	0.25	0.43	1.14
MSUNI	34	-0.15	0.10	0.16	0.27	4.43
SCCAP	36	-0.01	0.04	0.09	0.13	0.73
SCCON	35	0.02	0.08	0.15	0.26	1.39
SCDEL	30	-0.13	0.08	0.14	0.27	0.94
SCLON	34	-0.00	0.11	0.20	0.35	0.99
TNCFN	26	0.04	0.10	0.19	0.35	1.54
WVAPC	0	0.00	0.00	0.00	0.00	0.00
WVGRN	1	0.05	0.01	0.02	0.04	0.05
WVNEW	4	0.06	0.06	0.15	0.16	0.44
WVWAR	5	0.06	0.10	0.23	0.44	0.67
SDAPR	32	-0.13	0.24	0.36	0.57	1.53
SDBGP	1	0.14	0.04	0.07	0.11	0.14
SDBPR	33	0.04	0.27	0.39	0.63	1.57
SDCUS	8	0.00	0.08	0.16	0.26	0.35

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: NA, MG/L

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	0.020	0.050	0.097	0.209	0.504
ALMOB	28	0.036	0.113	0.307	0.557	1.442
DEGEO	45	0.027	0.089	0.158	0.294	2.528
DELUM	43	0.022	0.062	0.121	0.266	1.949
GADAW	31	0.015	0.084	0.134	0.191	0.487
GADUF	22	0.024	0.069	0.157	0.286	0.691
GAHIW	23	0.007	0.043	0.086	0.123	0.257
GASUM	37	0.011	0.043	0.099	0.159	0.867
GAWAY	24	0.031	0.111	0.231	0.367	2.892
GABFG	23	0.011	0.036	0.118	0.192	0.489
KYGRA	43	-0.002	0.029	0.044	0.096	0.399
KYMAM	37	0.000	0.035	0.058	0.086	0.385
LACAR	19	-0.004	0.106	0.184	0.486	3.050
LACHS	29	0.007	0.056	0.177	0.303	2.107
LAROS	34	0.020	0.088	0.159	0.343	1.348
MDRGP	39	-0.004	0.014	0.027	0.091	0.502
MD3EC	32	0.085	0.159	0.286	0.752	5.320
MSUNI	34	0.012	0.044	0.102	0.191	0.430
SCCAP	36	0.127	0.297	0.479	1.248	8.125
SCCON	35	0.018	0.082	0.182	0.438	2.206
SCDEL	30	0.000	0.055	0.128	0.353	0.831
SCLON	34	0.017	0.056	0.115	0.214	0.953
TNCEN	26	0.010	0.042	0.065	0.158	0.541
WVAPC	0	0.000	0.000	0.000	0.000	0.000
WVGRN	1	0.023	0.006	0.011	0.017	0.023
WVNEW	4	0.030	0.030	0.059	0.086	0.162
WVWAR	5	0.033	0.035	0.116	0.212	0.231
SDAPR	32	-0.011	0.009	0.027	0.051	0.706
SDBGP	1	0.039	0.010	0.020	0.030	0.039
SDBPR	33	-0.002	0.009	0.030	0.055	0.742
SDCUS	8	0.000	0.019	0.024	0.051	0.104

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: K,MG/L

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	-0.001	0.014	0.025	0.034	0.045
ALMOB	28	-0.002	0.009	0.031	0.050	0.319
DEGEO	45	-0.002	0.014	0.032	0.053	0.196
DELUM	43	-0.002	0.010	0.020	0.044	0.492
GADAW	31	-0.002	0.023	0.034	0.056	0.403
GADUF	22	0.006	0.028	0.038	0.066	0.350
GAHIW	23	0.000	0.009	0.024	0.042	0.467
GASUM	37	-0.002	0.012	0.018	0.033	0.357
GAWAY	24	-0.002	0.008	0.017	0.028	0.147
GABFG	23	-0.001	0.008	0.018	0.033	0.115
KYGRA	43	0.000	0.009	0.022	0.040	0.118
KYMAM	37	-0.002	0.010	0.026	0.050	0.585
LACAR	19	-0.002	0.019	0.034	0.065	0.410
LACHS	29	-0.002	0.016	0.025	0.040	0.181
LAROS	34	-0.002	0.010	0.025	0.054	0.156
MDRGP	39	-0.002	0.003	0.014	0.028	0.066
MD3EC	32	0.004	0.013	0.032	0.041	0.403
MSUNI	34	0.003	0.021	0.029	0.053	1.588
SCCAP	36	0.013	0.019	0.042	0.067	0.437
SCCON	35	0.007	0.033	0.058	0.130	0.282
SCDEL	30	0.000	0.021	0.041	0.062	0.219
SCLON	34	0.006	0.025	0.036	0.063	0.259
TNCEN	26	0.006	0.019	0.035	0.063	0.691
WVAPC	0	0.000	0.000	0.000	0.000	0.000
WVGRN	1	0.010	0.002	0.005	0.007	0.010
WVNEW	4	0.009	0.009	0.022	0.025	0.122
WVWAR	5	0.016	0.023	0.049	0.056	0.127
SDAPR	32	-0.002	0.011	0.029	0.061	0.330
SDBGP	1	0.053	0.013	0.026	0.040	0.053
SDBPR	33	-0.002	0.013	0.026	0.059	0.351
SDCUS	8	0.000	0.013	0.020	0.030	0.047

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: CA,MG/L

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	-0.03	0.03	0.05	0.11	0.21
ALMOB	28	0.02	0.04	0.12	0.15	0.32
DEGEO	45	-0.02	0.03	0.09	0.29	1.99
DELUM	43	0.00	0.06	0.11	0.31	2.94
GADAW	31	-0.01	0.03	0.05	0.11	0.36
GADUF	22	0.00	0.03	0.05	0.07	0.46
GAHIW	23	-0.01	0.02	0.05	0.12	0.29
GASUM	37	-0.02	0.03	0.07	0.13	1.08
GAWAY	24	-0.04	0.02	0.05	0.09	0.32
GABFG	23	-0.01	0.02	0.04	0.08	0.40
KYGRA	43	-0.02	0.13	0.24	0.37	0.99
KYMAM	37	-0.01	0.06	0.13	0.30	1.30
LACAR	19	-0.01	0.04	0.09	0.20	0.39
LACHS	29	0.00	0.03	0.06	0.13	0.47
LAROS	34	-0.01	0.03	0.08	0.17	1.35
MDRGP	39	-0.02	0.03	0.12	0.25	0.80
MD3EC	32	0.02	0.04	0.08	0.16	0.37
MSUNI	34	0.01	0.04	0.08	0.14	0.68
SCCAP	36	0.00	0.04	0.08	0.16	0.67
SCCON	35	-0.01	0.03	0.07	0.11	0.47
SCDEL	30	0.00	0.02	0.04	0.11	0.42
SCLON	34	-0.04	0.04	0.07	0.10	0.33
TNCEN	26	0.02	0.08	0.18	0.36	1.78
WVAPC	0	0.00	0.00	0.00	0.00	0.00
WVGRN	1	0.04	0.01	0.02	0.03	0.04
WVNEW	4	0.05	0.05	0.13	0.21	0.27
WVWAR	5	0.10	0.13	0.27	0.36	0.39
SDAPR	32	-0.01	0.06	0.13	0.26	0.80
SDBGP	1	0.60	0.15	0.30	0.45	0.60
SDBPR	33	0.00	0.06	0.21	0.34	1.37
SDCUS	8	0.00	0.14	0.24	0.34	0.70

TABLE 3-1 (CONTINUED)

CUMULATIVE FREQUENCY OF OCCURRENCE: MG,MG/L

		% OF SAMPLES GREATER THAN GIVEN VALUE				
SITE	#PTS	100%	75%	50%	25%	0%
ALTAL	19	0.008	0.012	0.018	0.033	0.067
ALMOB	28	0.006	0.017	0.046	0.070	0.173
DEGEO	45	0.006	0.019	0.035	0.079	0.350
DELUM	43	0.007	0.021	0.035	0.082	0.625
GADAW	31	0.004	0.017	0.023	0.032	0.062
GADUF	22	0.006	0.013	0.023	0.041	0.089
GAHIW	23	0.003	0.009	0.016	0.026	0.091
GASUM	37	-0.002	0.010	0.019	0.031	0.148
GAWAY	24	0.003	0.016	0.032	0.045	0.361
GABFG	23	0.003	0.009	0.020	0.027	0.071
KYGRA	43	0.003	0.017	0.026	0.045	0.207
KYMAM	37	-0.002	0.011	0.022	0.040	0.274
LACAR	19	-0.002	0.018	0.035	0.064	0.372
LACHS	29	0.004	0.013	0.028	0.049	0.257
LAROS	34	0.002	0.011	0.030	0.057	0.165
MDRGP	39	-0.002	0.005	0.017	0.037	0.104
MD3EC	32	0.011	0.022	0.047	0.088	0.544
MSUNI	34	0.003	0.011	0.020	0.032	0.099
SCCAP	36	0.020	0.036	0.058	0.155	1.013
SCCON	35	-0.002	0.010	0.028	0.054	0.169
SCDEL	30	-0.003	0.011	0.020	0.044	0.097
SCLON	34	-0.002	0.010	0.018	0.038	0.120
TNCEN	26	0.001	0.012	0.021	0.047	0.144
WVAPC	0	0.000	0.000	0.000	0.000	0.000
WVGRN	1	0.007	0.002	0.004	0.005	0.007
WVNEW	4	0.011	0.011	0.025	0.027	0.037
WVWAR	5	0.019	0.022	0.037	0.048	0.065
SDAPR	32	-0.002	0.009	0.020	0.054	0.141
SDBGP	1	0.058	0.014	0.029	0.043	0.058
SDBPR	33	0.000	0.012	0.031	0.058	0.187
SDCUS	8	0.000	0.015	0.026	0.029	0.063

TABLE 3-2

PRECIPITATION WEIGHTED MEAN DATA

SITE	#PTS	PPTN CM	PH	COND UMHOS/CM	F MG/L	CL MG/L	NO2 MG/L	PO4 MG/L	BR MG/L	NO3 MG/L	SO4 MG/L	NH4 MG/L	NA MG/L	K MG/L	CA MG/L	MG MG/L
ALTAL	19	72.00	4.57	12.6	0.006	0.269	-0.019	-0.01	-0.005	0.71	1.32	0.14	0.154	0.019	0.05	0.023
ALMOB	28	109.27	4.41	20.4	0.012	0.735	-0.008	-0.02	-0.005	0.96	1.94	0.16	0.416	0.064	0.09	0.053
DEGEO	45	176.93	4.10	47.0	0.035	0.509	0.019	-0.00	-0.009	6.25	3.49	1.06	0.253	0.064	0.61	0.066
DELUM	43	89.50	4.21	30.3	0.011	0.467	-0.017	-0.03	0.013	1.65	2.82	0.24	0.235	0.020	0.09	0.043
GADAW	31	93.22	4.36	21.7	0.012	0.327	-0.010	-0.02	-0.020	1.16	2.25	0.31	0.173	0.033	0.05	0.025
GADUF	22	49.29	4.49	15.9	0.009	0.377	-0.017	-0.04	-0.018	0.81	1.54	0.15	0.207	0.038	0.04	0.029
GAHIW	23	88.98	4.46	16.6	0.003	0.193	-0.009	0.02	-0.016	0.91	1.78	0.25	0.099	0.044	0.07	0.019
GASUM	37	100.31	4.28	24.9	0.015	0.234	-0.004	0.00	0.016	1.20	2.62	0.29	0.107	0.028	0.08	0.019
GAWAY	24	62.79	4.65	11.3	0.005	0.457	-0.009	-0.03	-0.019	0.65	1.06	0.11	0.258	0.019	0.04	0.033
GABFG	23	51.01	4.51	14.8	0.007	0.279	-0.019	0.00	-0.022	0.74	1.43	0.12	0.140	0.024	0.04	0.021
KYGRA	43	69.95	4.17	32.9	0.015	0.125	-0.009	-0.01	0.001	1.85	3.35	0.34	0.048	0.022	0.17	0.021
KYMAM	36	94.57	4.41	18.2	0.004	0.115	-0.008	-0.01	-0.003	1.01	1.94	0.20	0.058	0.021	0.09	0.016
LACAR	18	52.35	4.81	13.6	0.021	0.621	-0.012	0.01	-0.013	0.79	1.89	0.65	0.329	0.041	0.11	0.044
LACHS	29	98.05	4.78	9.5	0.001	0.389	-0.014	-0.03	-0.016	0.65	0.94	0.16	0.225	0.028	0.07	0.033
LAROS	34	120.32	4.69	11.3	0.005	0.398	-0.010	-0.02	-0.012	0.71	1.15	0.19	0.223	0.022	0.08	0.031
MORGP	39	64.92	4.15	33.6	0.015	0.133	-0.008	-0.01	0.016	1.90	3.17	0.30	0.049	0.013	0.11	0.015
MO3EC	32	67.06	4.31	27.0	0.010	0.934	-0.011	0.02	0.002	1.55	2.34	0.28	0.550	0.067	0.08	0.069
MSUNI	34	101.02	4.63	12.0	0.004	0.204	-0.009	0.00	-0.013	0.83	1.26	0.21	0.116	0.052	0.08	0.020
SCCAP	36	107.42	4.63	15.8	0.007	1.421	-0.010	-0.03	-0.011	0.63	1.19	0.08	0.783	0.043	0.07	0.096
SCCON	35	84.88	4.47	16.5	0.009	0.423	-0.009	-0.03	-0.012	0.87	1.58	0.14	0.238	0.045	0.05	0.028
SCDEL	29	75.30	4.49	15.4	0.008	0.300	-0.009	-0.00	-0.018	0.88	1.49	0.14	0.167	0.028	0.04	0.021
SCLON	34	89.72	4.37	20.9	0.010	0.342	-0.009	0.00	-0.015	1.12	2.08	0.24	0.186	0.042	0.06	0.024
TNCEN	26	56.52	4.51	14.8	0.005	0.169	-0.016	-0.01	-0.023	0.95	1.58	0.16	0.092	0.042	0.13	0.019
WVGRN	1	3.39	4.69	8.2	0.017	-0.073	-0.138	0.03	-0.131	0.60	0.75	0.05	0.023	0.010	0.04	0.007
WVNEW	4	4.90	4.11	36.6	0.042	0.443	-0.040	-0.03	0.060	1.62	3.27	0.21	0.079	0.040	0.14	0.023
WVWAR	5	7.34	4.08	41.9	0.042	0.451	-0.039	-0.04	0.087	2.60	3.54	0.34	0.115	0.048	0.24	0.036
SDAPR	32	42.80	5.05	8.1	0.002	0.045	-0.007	0.02	-0.016	1.25	0.94	0.48	0.028	0.043	0.13	0.022
SDBGP	1	0.13	5.83	3.7	-0.005	0.052	-0.006	0.06	-0.008	0.82	0.26	0.14	0.039	0.053	0.60	0.058
SDBPR	33	43.51	5.05	8.2	0.003	0.050	-0.001	0.00	-0.016	1.30	0.95	0.50	0.031	0.056	0.15	0.024
SDCUS	7	5.08	5.39	5.5	0.012	0.043	-0.004	0.00	-0.021	0.78	0.68	0.21	0.046	0.025	0.36	0.032

4.0 COMPARISON OF FIELD AND LABORATORY MEASUREMENTS

Presented in Figure 4-1 are plots comparing field and laboratory pH and conductivity measurements for each site for samples numbered 1-3550. The 1987 samples have ID number 2481-3514. The sample number is plotted on the x axis and (field measured value - lab measured value) is plotted on the yaxis. The perfect agreement zero difference line is also plotted. The y axis limits for pH are -0.5 to +0.5. The y axis limits for conductivity are -10.0 to +10.0. Values greater than the limits are plotted at the limits.

In order to give a comparison of pH for fairly stable samples only, samples of pH greater than 4.8 were excluded from the pH plots.

Procedures are employed to insure good field pH and conductivity measurements. Once every two months, field supplies are sent out, including 500 ml of pH reference solution (pH 4.30) and 500 ml of conductivity reference solution (73.9 umhos/cm). The site operators are instructed to calibrate their meters as indicated by their state agency and to analyze the reference solutions just as they do a sample.

In addition, each state agency is sent a monthly report giving the average difference of field and laboratory pH and conductivity measurements.

Figure 4-1

pH and Conductivity Plots of (Field - Lab) Data vs. Time

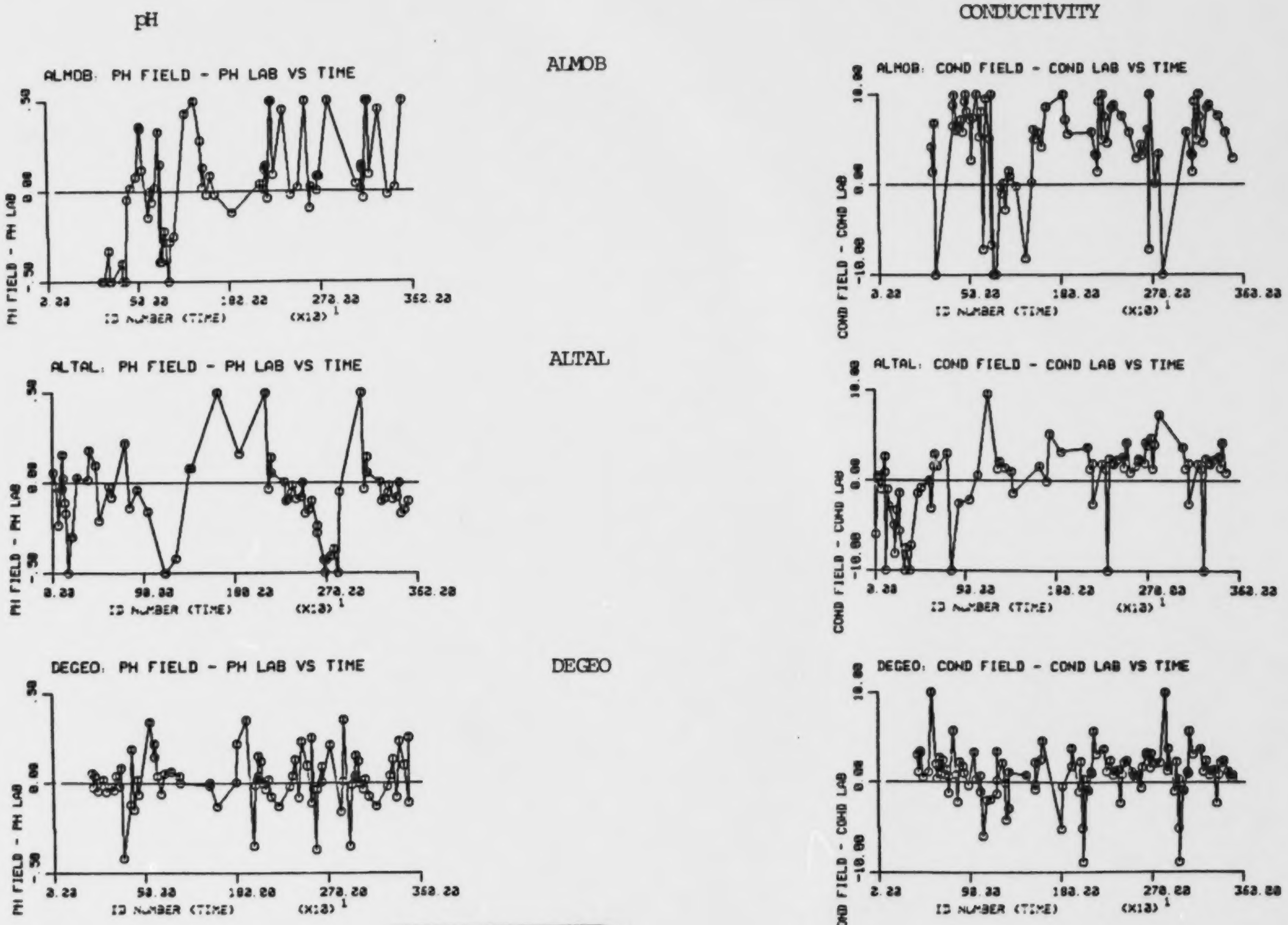

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Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time

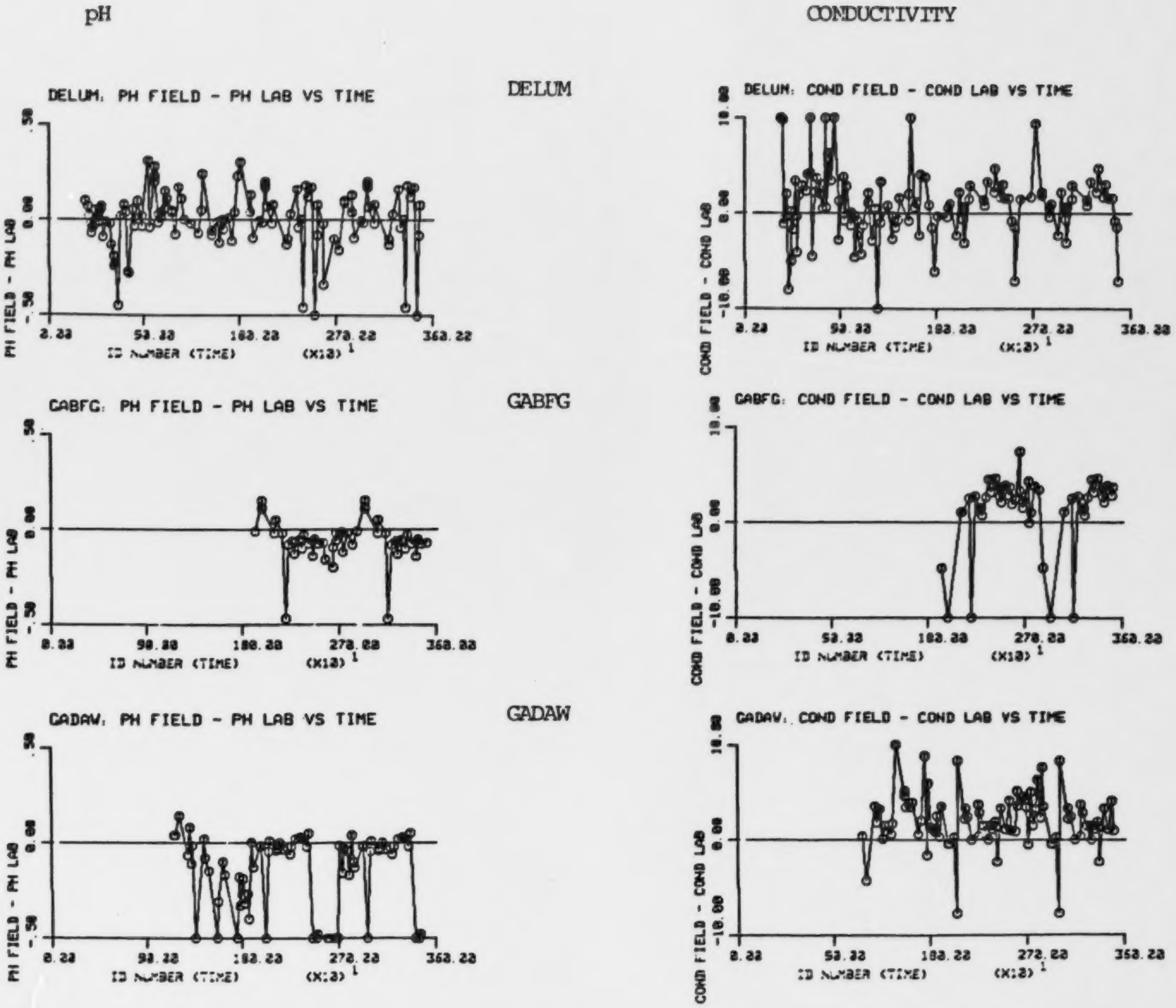


Figure 4-1 (continued

pH and Conductivity Plots of (Field - Lab) Data vs. Time

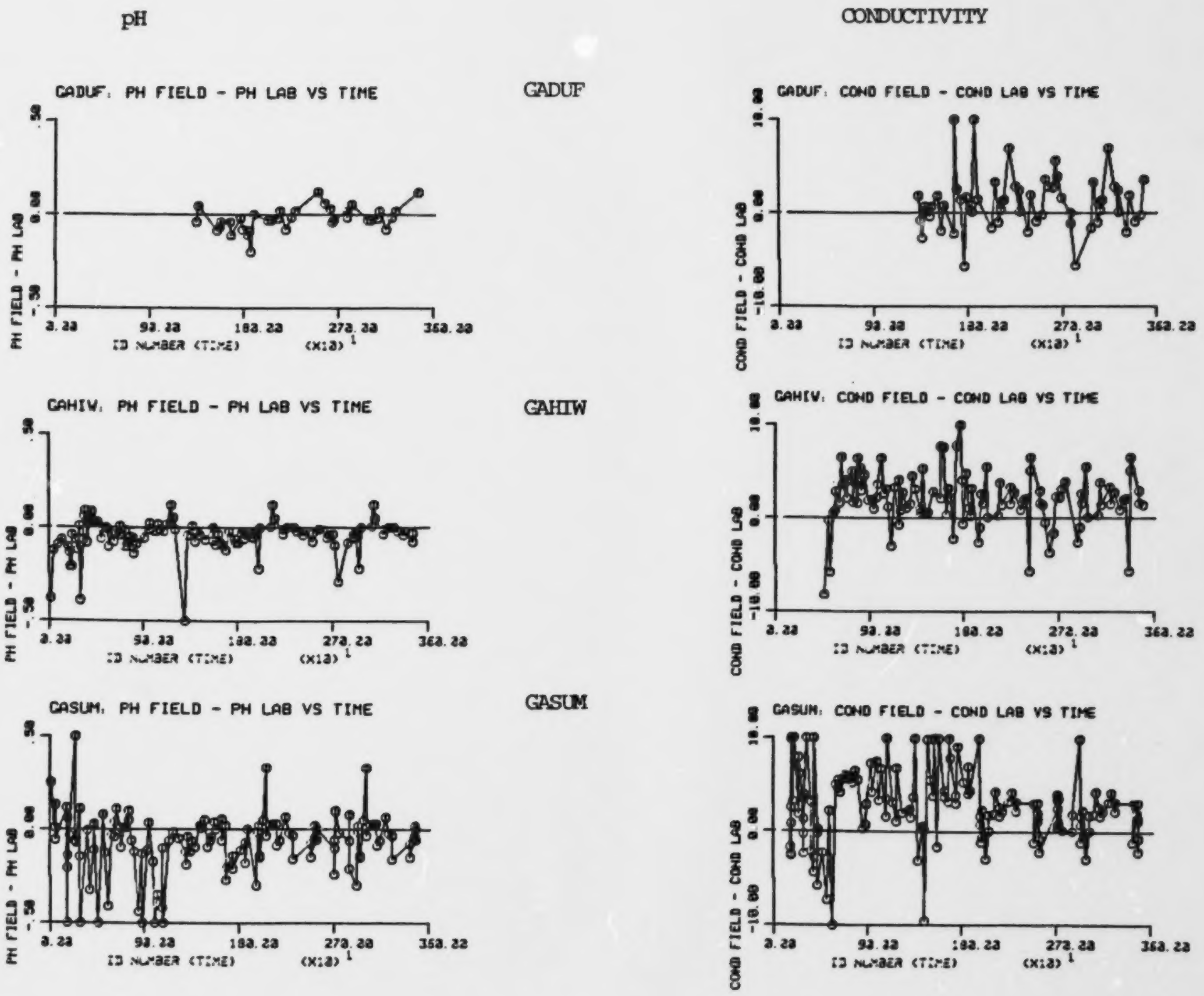


Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time

pH

CONDUCTIVITY

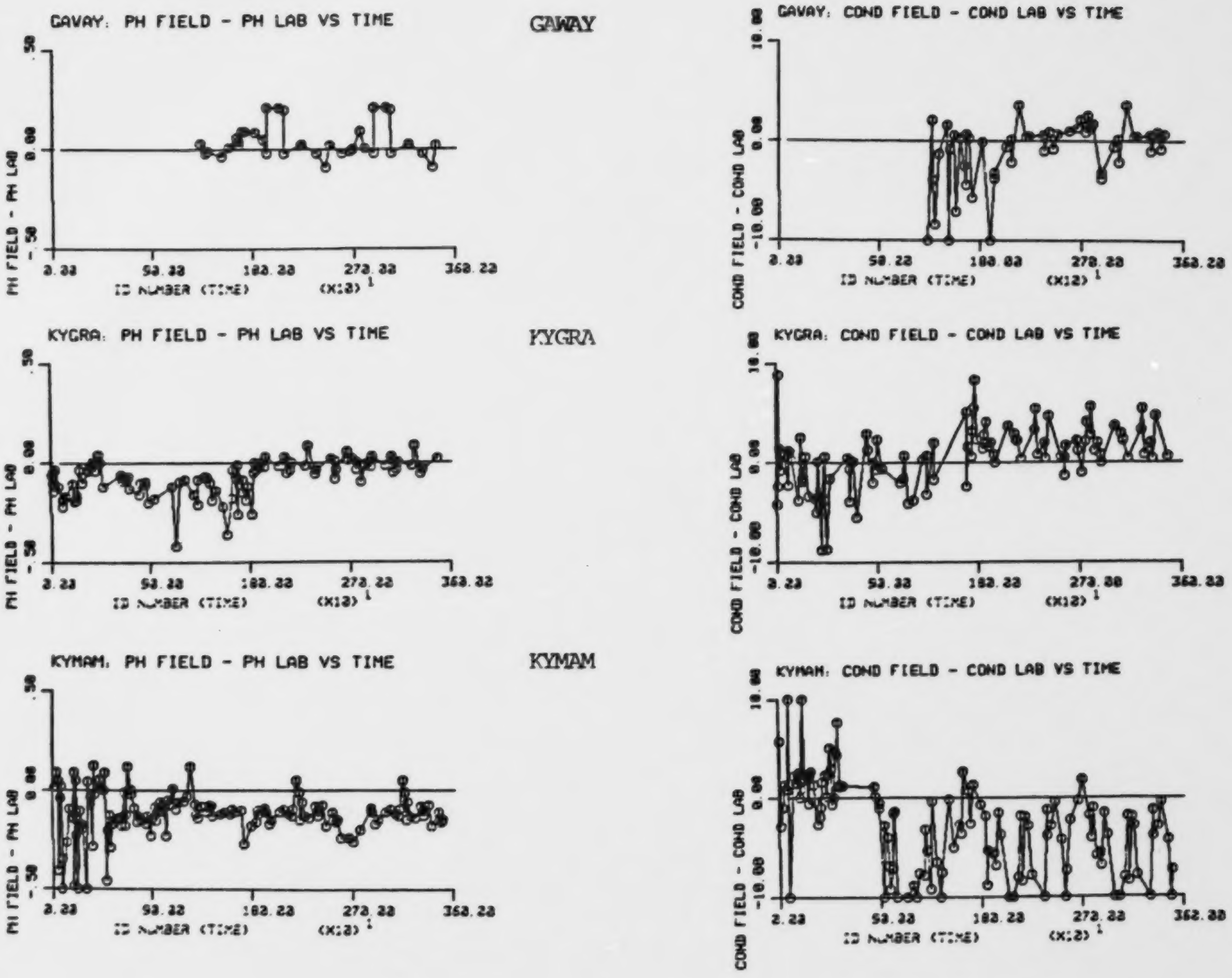


Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time

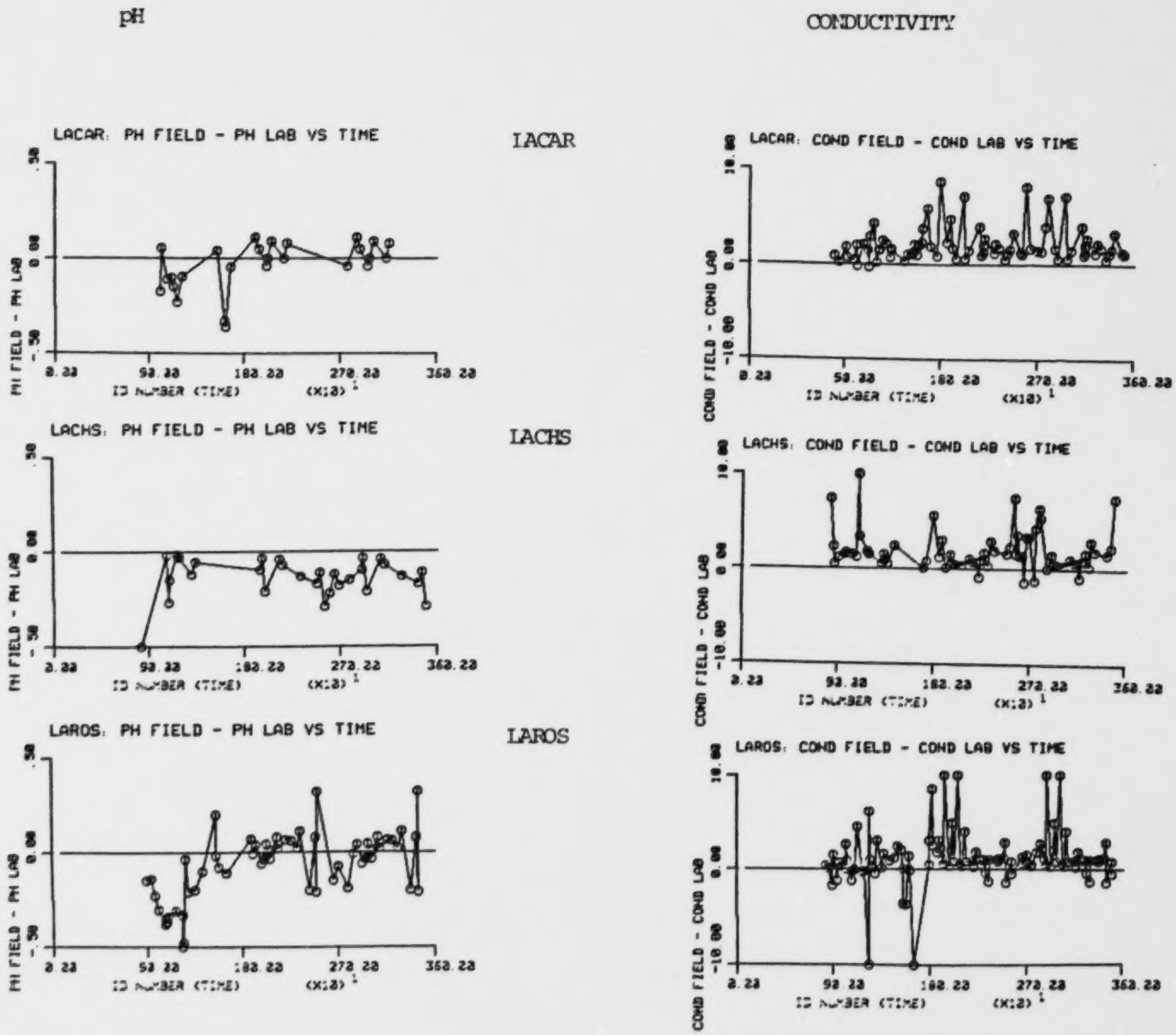


Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time

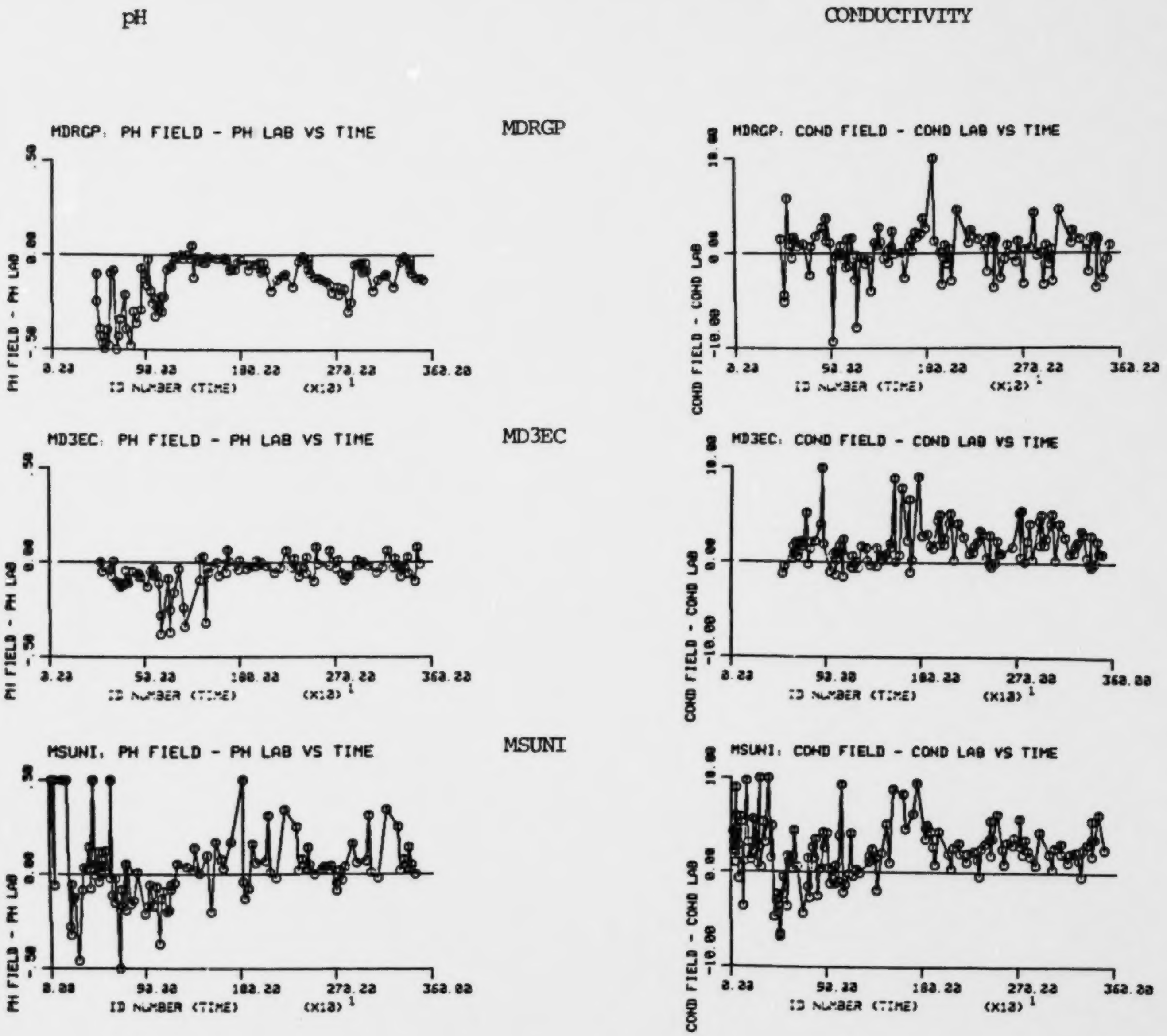


Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time

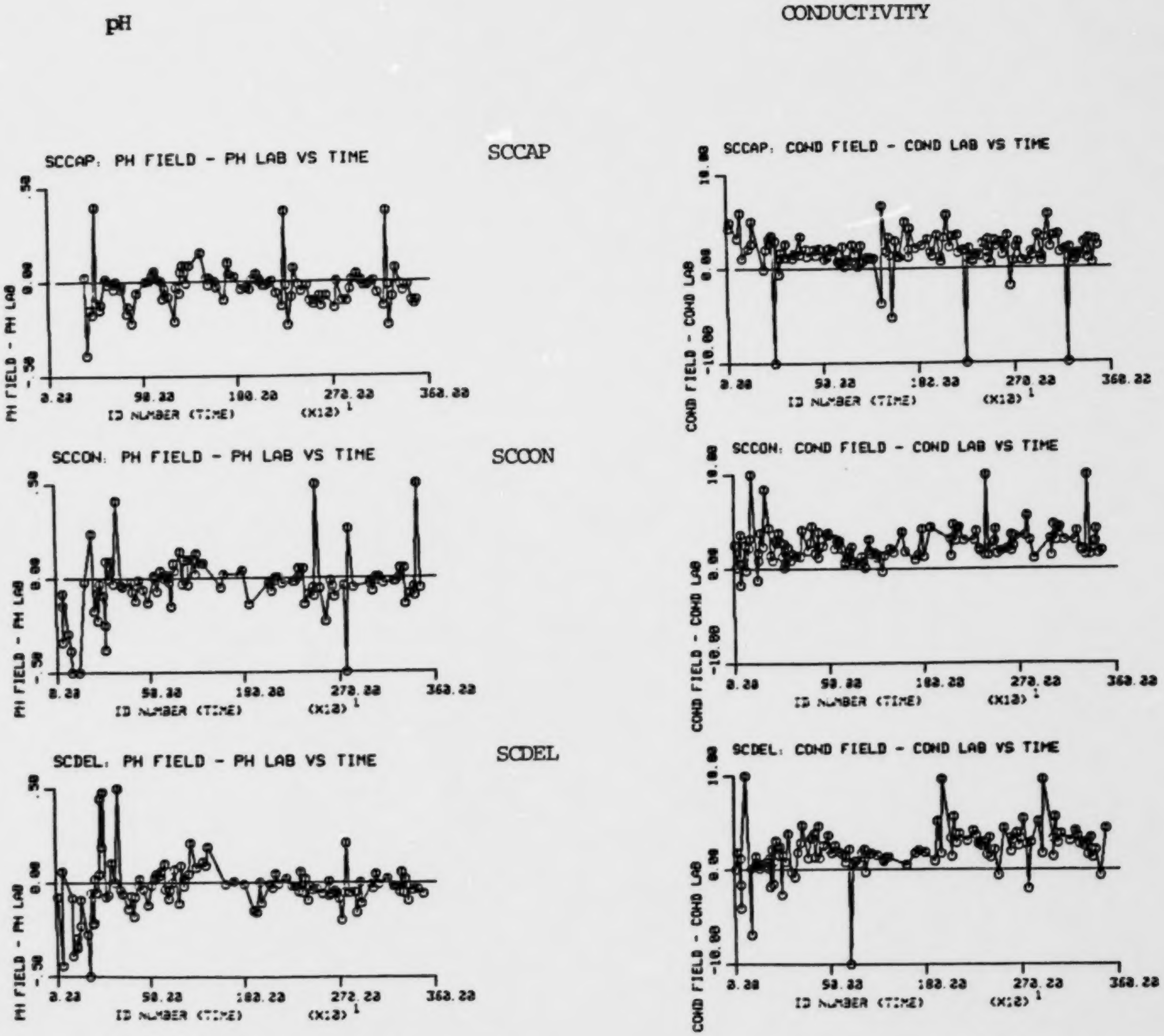


Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time

pH

CONDUCTIVITY

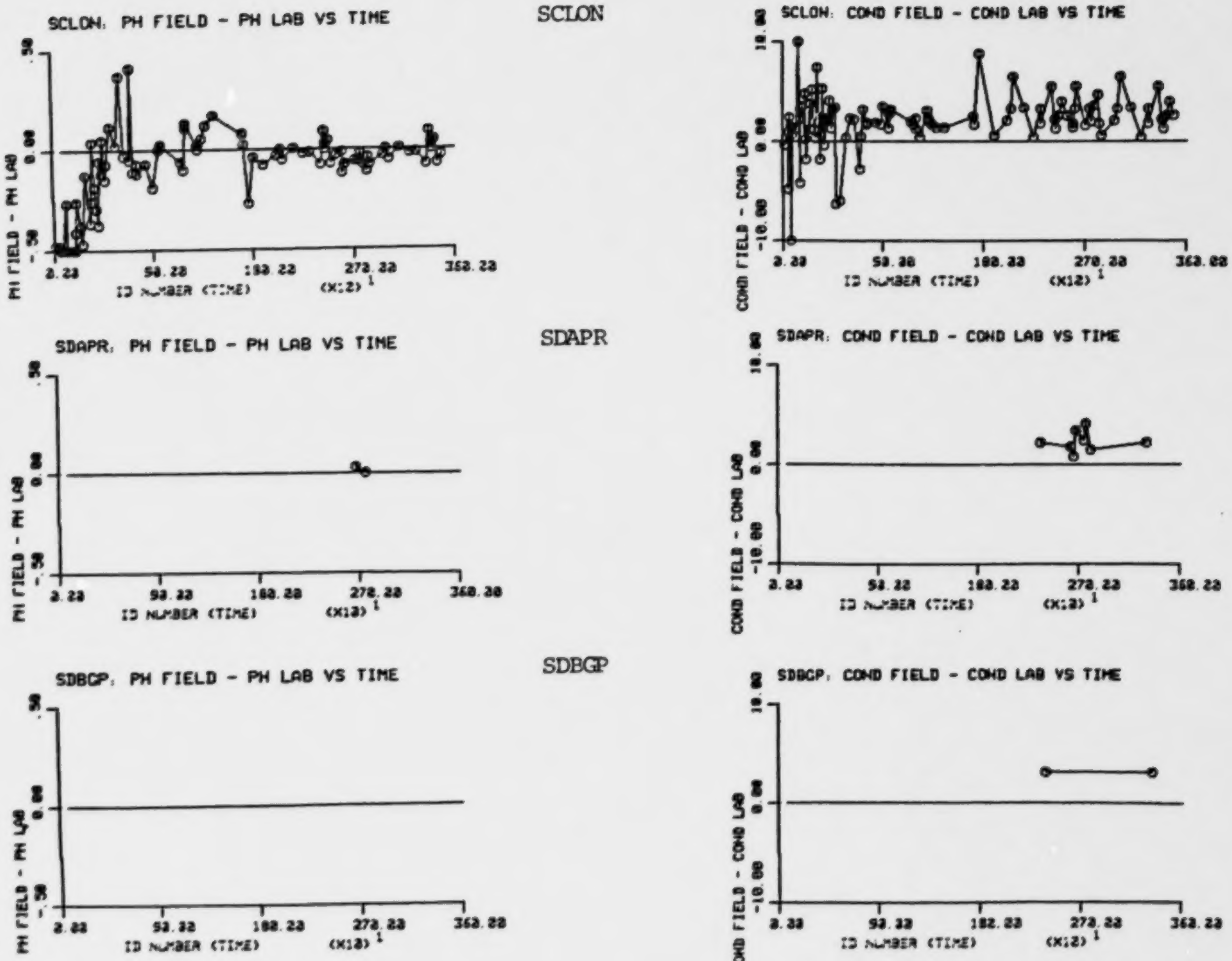


Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time

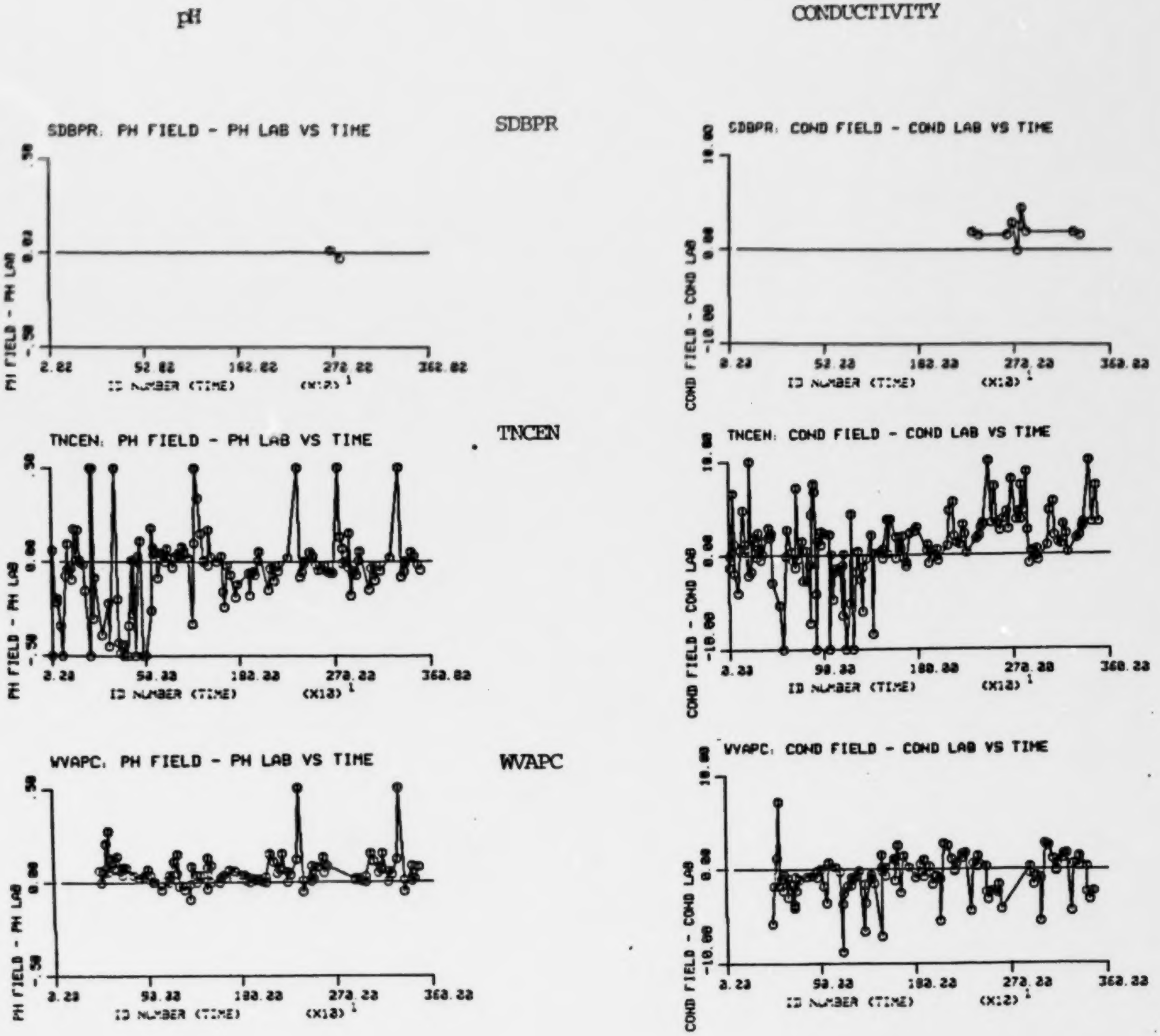
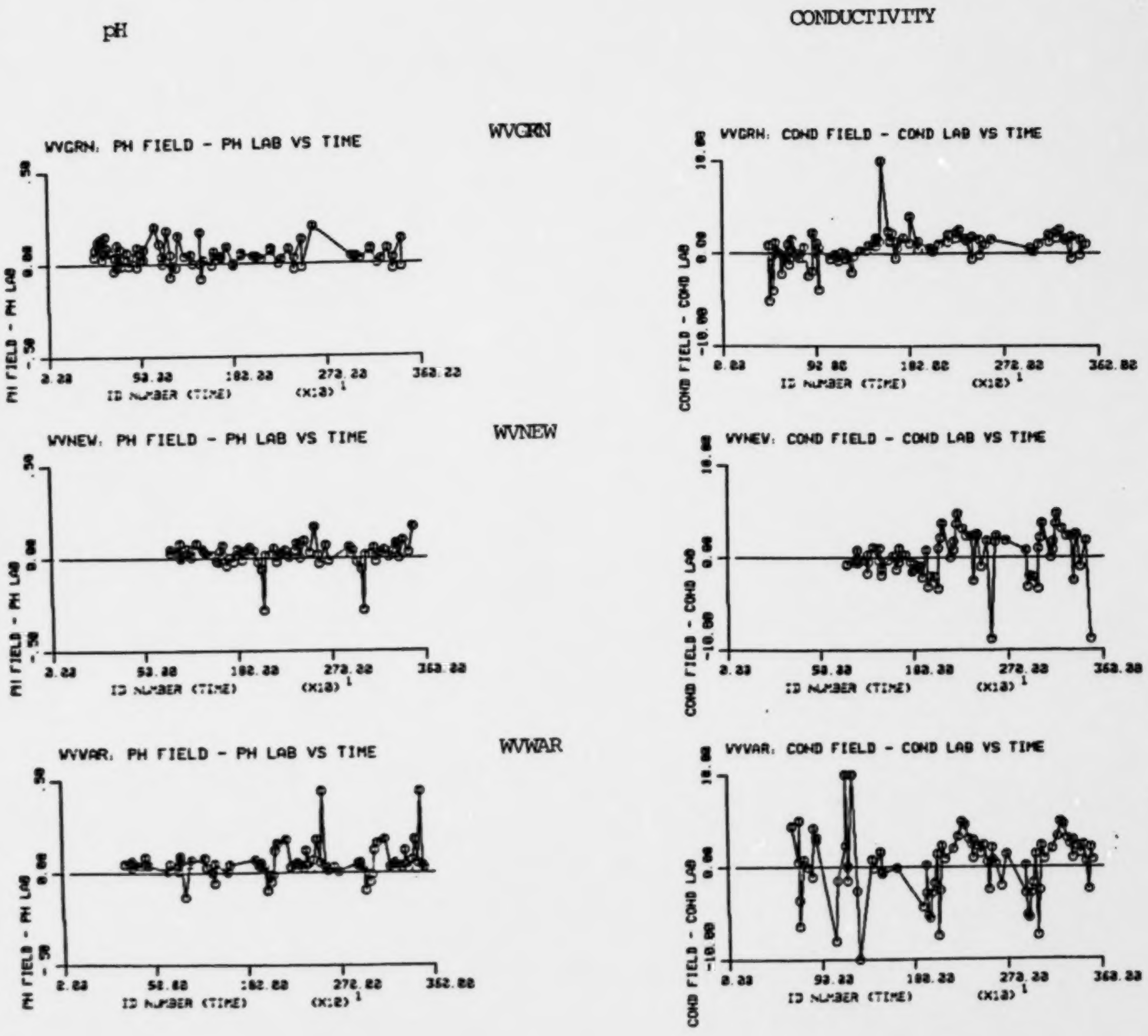


Figure 4-1 (continued)

pH and Conductivity Plots of (Field - Lab) Data vs. Time



APPENDIX A

QUALITY CONTROL INFORMATION

JAN '87 - DEC '87

Quality control duplicate and spike samples were included with all analyses performed by GGC. The duplicate samples were actual samples randomly chosen for duplicate analysis by each analyst. The spike samples were actually calibration standards prepared from separate stock solutions by someone other than the analyst. The spike concentrations were not known by the analyst.

Quality control plots for each analysis are included in this Appendix. Control limits obtained from these plots are given in Table A-1. These control limits will be used in the future to evaluate each analytical run and make decisions on reanalysis.

An estimate of detection limits can be obtained by multiplying the UCL for the lowest range of each analyte by (2/3.27) = (.61). This is two times the average difference on the lowest analytical range - the concentration at which the data should be known to +-50%.

The Julian date of analysis is given above each data point on each plot. The Julian dates of analyses vary on each plot, but range from approximately '87 042 on the left to '88 054 on the right.

TABLE A-1

PROJECT EPAQC 31-MAY-88
UPDATE OF QC CONTROL LIMITS

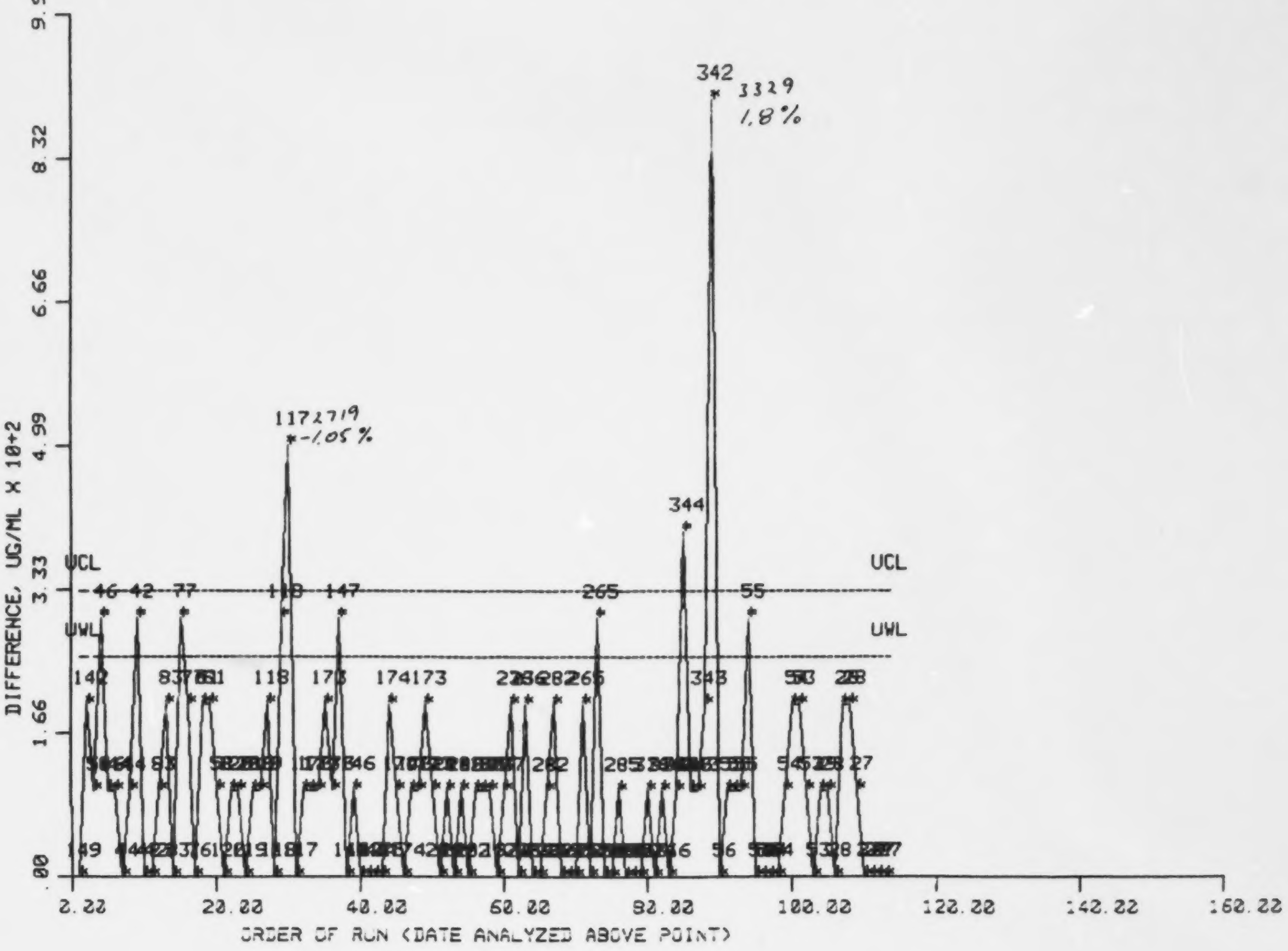
ANALYTE	CONC'N RANGE UG/ML	# POINTS	UWL UG/ML	UCL UG/ML	PAGE
PH DUP	0-5	113	.0255442	.0332787	A4
PH DUP	5-7	8	.1255	.1635	
PH SPK	0-5	36	.0251	.0327	
GRAN DUP	0-100	100	2.78359	3.62643	A7
GRAN DUP	100->100	13	3.90016	5.08108	
GRAN SPK	0-100	123	2.90385	3.7831	
GRAN SPK	100->100	140	4.89271	6.37417	
COND DUP	0-36.8	113	.439035	.571969	A11
COND DUP	36.8-75	15	.783137	1.02026	
COND SPK	0-36.8	205	.788945	1.02783	
COND SPK	36.8-75	105	1.56941	2.04461	
COND SPK	75-144.7	61	7.97047	10.3838	
NH4 DUP	0-.248	75	.0100099	.0130408	A16
NH4 DUP	.248-.98	43	.0114001	.0148519	
NH4 DUP	.98-2.9	4	.0160012	.0208462	
NH4 SPK	.248-.98	110	.0226927	.0295638	
NH4 SPK	.98-2.9	173	.0708517	.0923049	
F DUP	0-.099	63	3.06778E-03	3.99667E-03	A21
F SPK	0-.099	117	3.48826E-03	4.54447E-03	
F SPK	.099-.984	144	.0111643	.0145447	
F SPK	.984-5.66	106	.0683407	.0890335	
CL DUP	0-.198	41	4.86083E-03	6.33263E-03	A25
CL DUP	.198-1.96	56	9.76211E-03	.012718	
CL DUP	1.96-11.3	5	.0312745	.040744	
CL SPK	0-.198	104	5.32893E-03	6.94247E-03	
CL SPK	.198-1.96	159	.031997	.0416853	
CL SPK	1.96-11.3	108	.123083	.160351	
NO2 DUP	0-.375	3	5.27100E-03	6.86700E-03	A31
PO4 DUP	0-.99	37	.0149379	.0194609	A32
PO4 SPK	0-.99	103	.113496	.147861	
PO4 SPK	.99-9.84	105	.346311	.45117	
PO4 SPK	9.84-56.6	106	.608219	.79238	
BR DUP	0-.99	5	.0165158	.0215166	A36

TABLE A-1 (CONTINUED)

PROJECT EPAQC 31-MAY-88
UPDATE OF QC CONTROL LIMITS

ANALYTE		CONC'N RANGE UG/ML	# POINTS	UWL UG/ML	UCL UG/ML	PAGE
NO3	DUP	0-.99	57	.0107225	.0139692	A37
NO3	DUP	.99-9.84	43	.0162624	.0211865	
NO3	SPK	0-.99	105	.0186481	.0242946	
NO3	SPK	.99-9.84	155	.205096	.267197	
NO3	SPK	9.84-56.6	106	.686451	.894301	
SO4	DUP	0-.99	32	.0238607	.0310854	A42
SO4	DUP	.99-9.84	71	.0444234	.0578743	
SO4	SPK	0-.99	105	.0141588	.0184459	
SO4	SPK	.99-9.84	108	.0970439	.126428	
SO4	SPK	9.84-56.6	150	.831851	1.08373	
NA	DUP	0-.0289	7	1.72114E-03	2.24229E-03	A47
NA	DUP	.0289-.192	51	3.77976E-03	4.92423E-03	
NA	DUP	.192-.96	31	5.88637E-03	7.66869E-03	
NA	DUP	.96->.96	4	.0238449	.0310649	
NA	SPK	0-.0289	38	1.41353E-03	1.84153E-03	
NA	SPK	.0289-.192	64	3.92188E-03	5.10938E-03	
NA	SPK	.192-.96	82	.0112981	.014719	
NA	SPK	.96->.96	15	.137515	.179152	
K	DUP	0-.0289	38	1.48618E-03	1.93618E-03	A55
K	DUP	.0289-.192	52	2.08523E-03	2.71662E-03	
K	DUP	.192-.96	5	2.45982E-03	3.20462E-03	
K	SPK	0-.0289	74	1.93338E-03	2.51878E-03	
K	SPK	.0289-.192	80	4.09444E-03	5.33419E-03	
K	SPK	.192-.96	75	.0238048	.0310127	
CA	DUP	0-.0867	37	7.50965E-03	9.78349E-03	A61
CA	DUP	.0867-.576	58	.0133939	.0174494	
CA	DUP	.576-2.87	2	.0227155	.0295935	
CA	SPK	0-.0867	38	6.92232E-03	9.01832E-03	
CA	SPK	.0867-.576	97	.0162296	.0211438	
CA	SPK	.576-2.87	76	.0556593	.0725123	
MG	DUP	0-.0144	26	8.59192E-04	1.11935E-03	A67
MG	DUP	.0144-.096	70	2.06179E-03	2.68607E-03	
MG	DUP	.096-.478	11	6.77699E-03	8.82899E-03	
MG	SPK	0-.0144	63	1.04384E-03	1.35991E-03	
MG	SPK	.0144-.096	74	2.45234E-03	3.19488E-03	
MG	SPK	.096-.478	75	.0158699	.0206752	

QC PH DÜP 0-5 UG/ML



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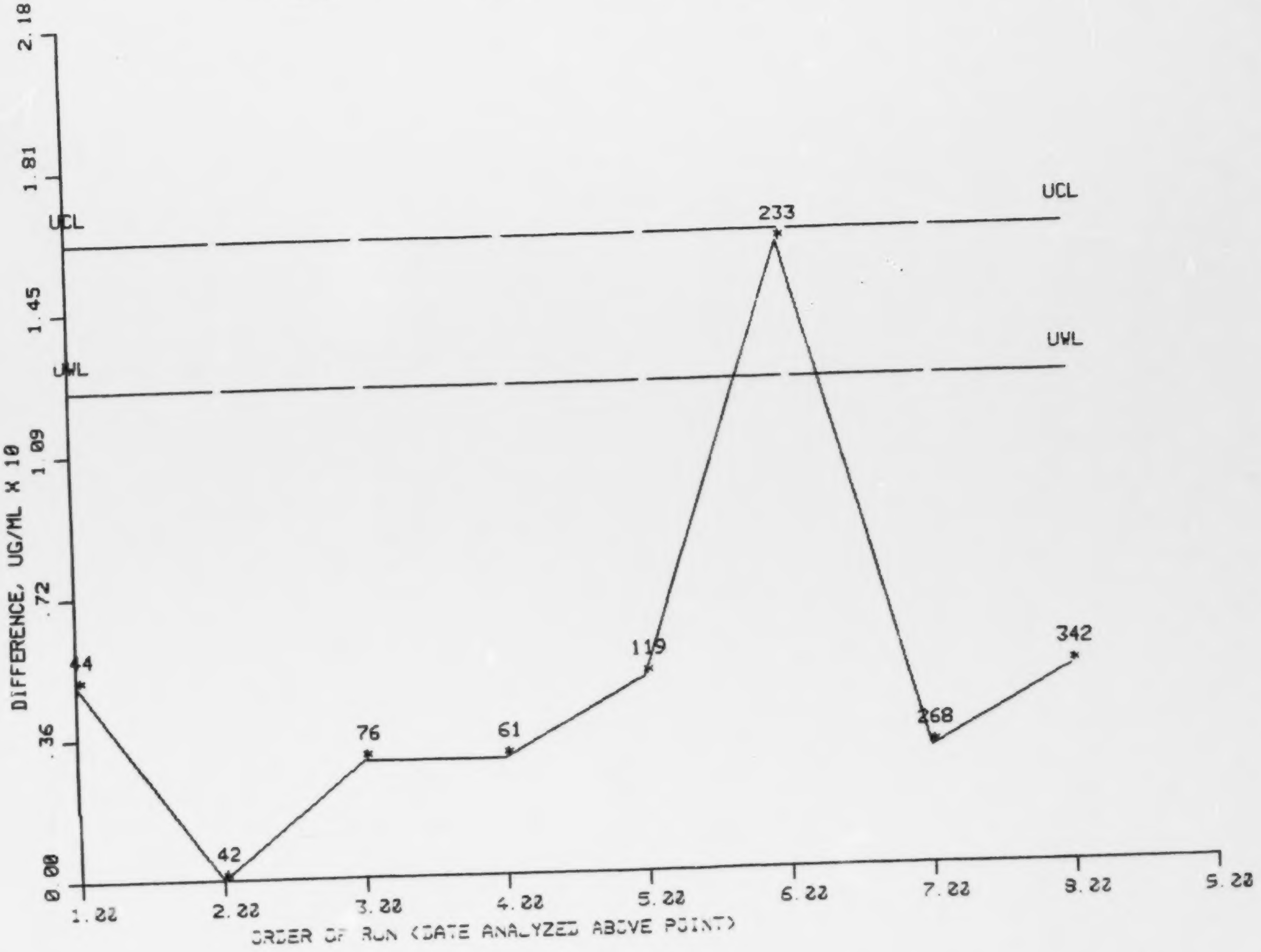
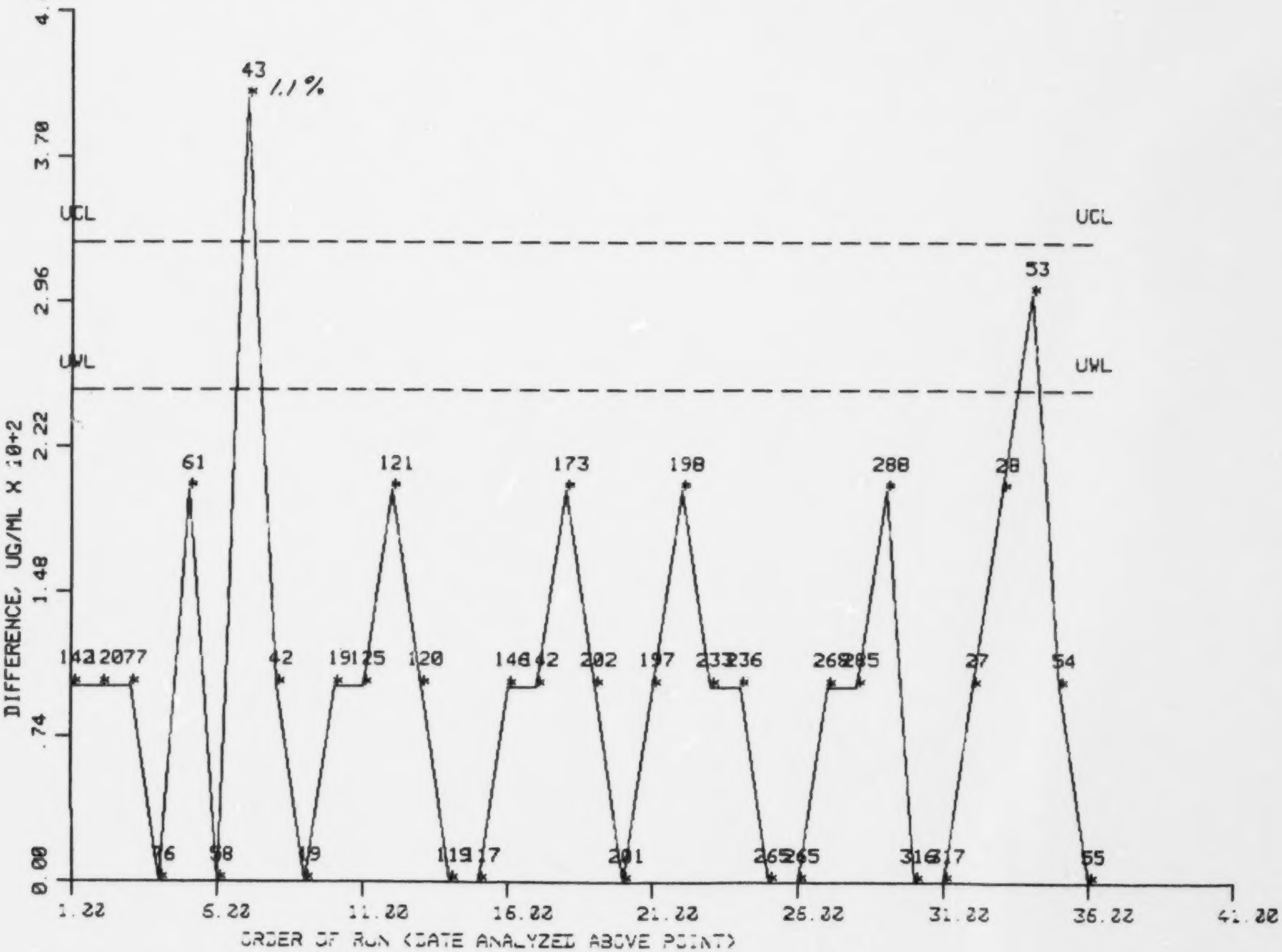
best available copy.

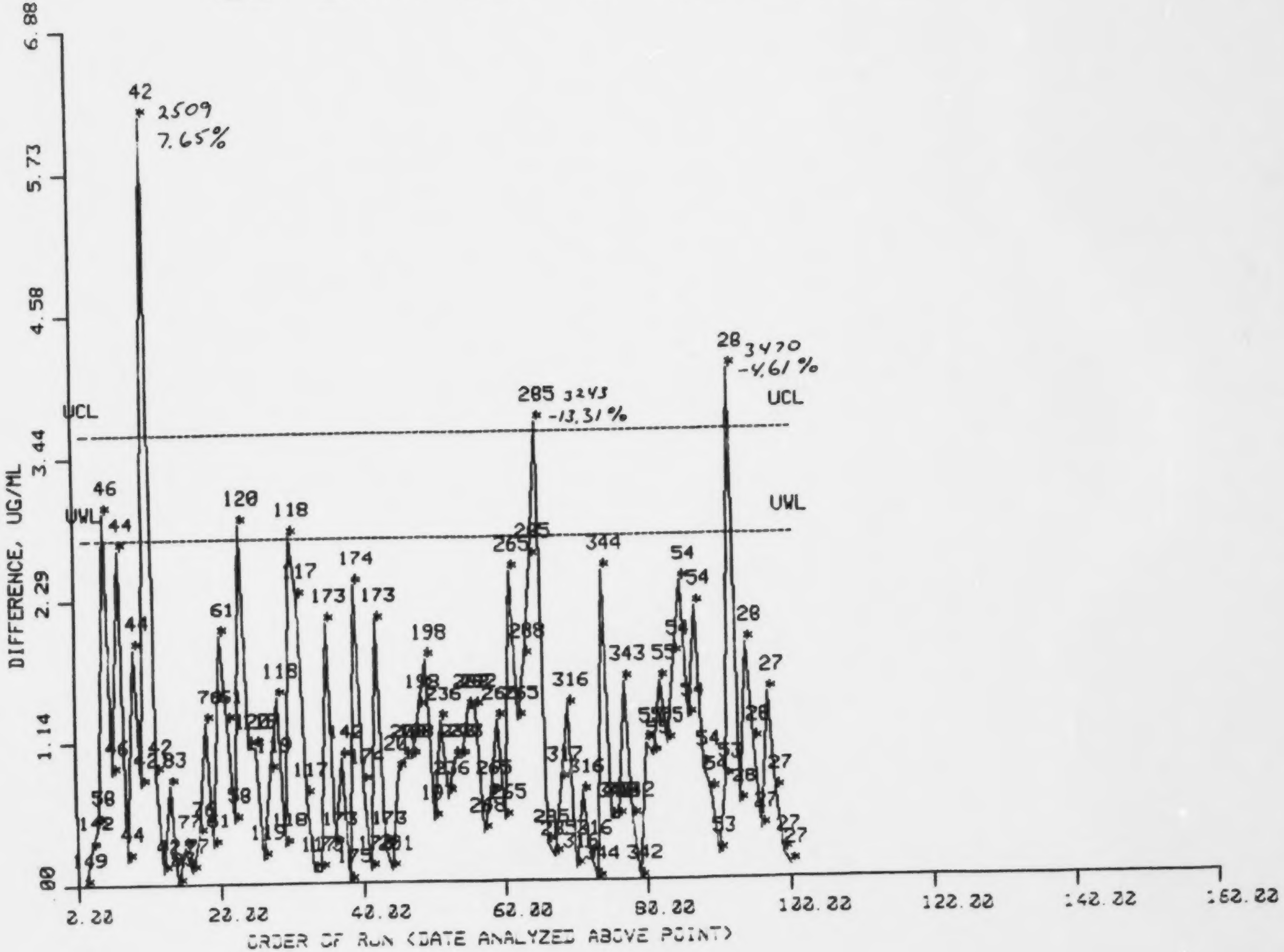
QC PH DUP 5-7 UG/ML



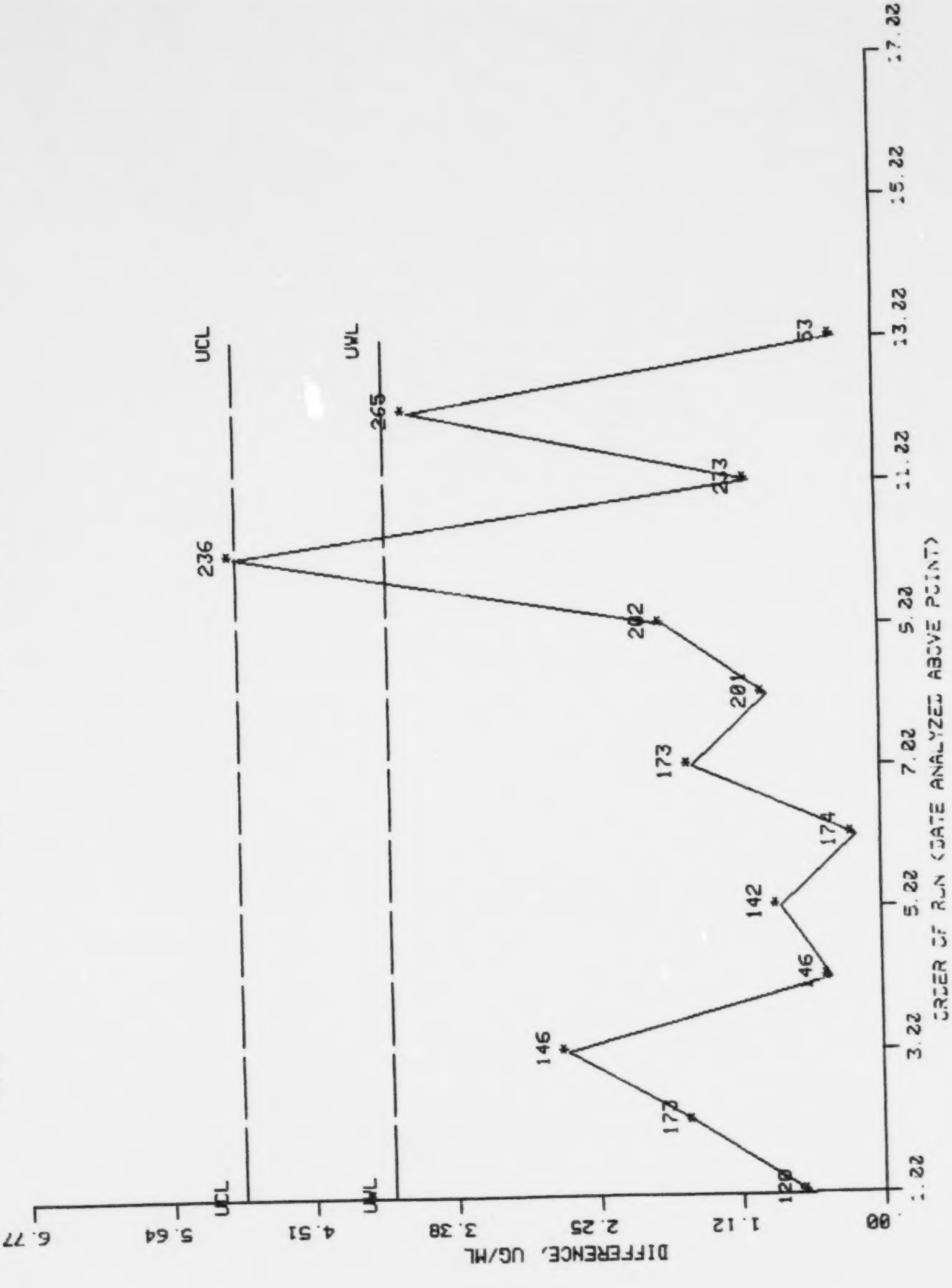
QC PH SPK 0-5 UG/ML



QC GRAN DUP 0-100 UG/ML



QC GRAN DUP 100->100 UG/ML



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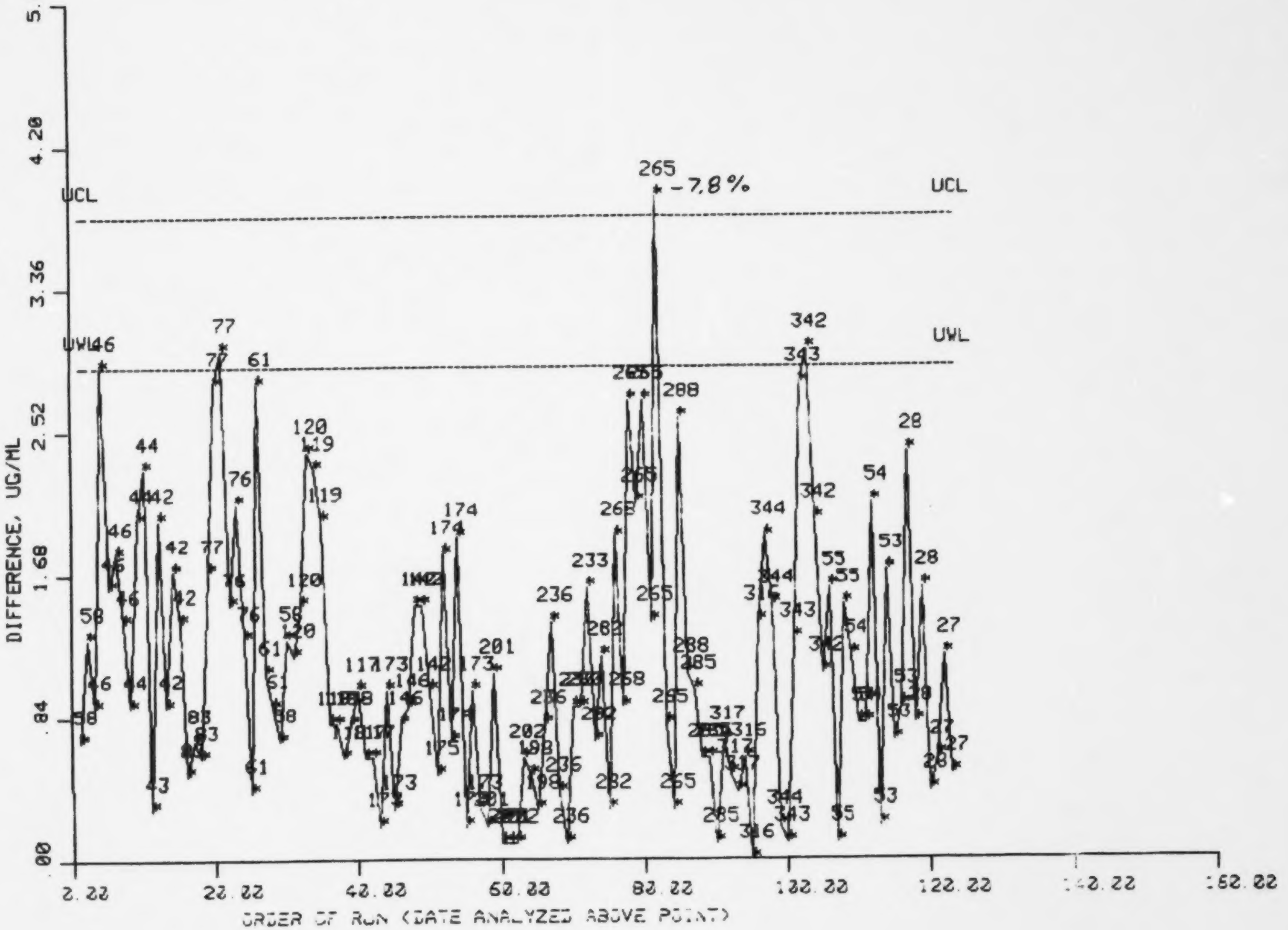
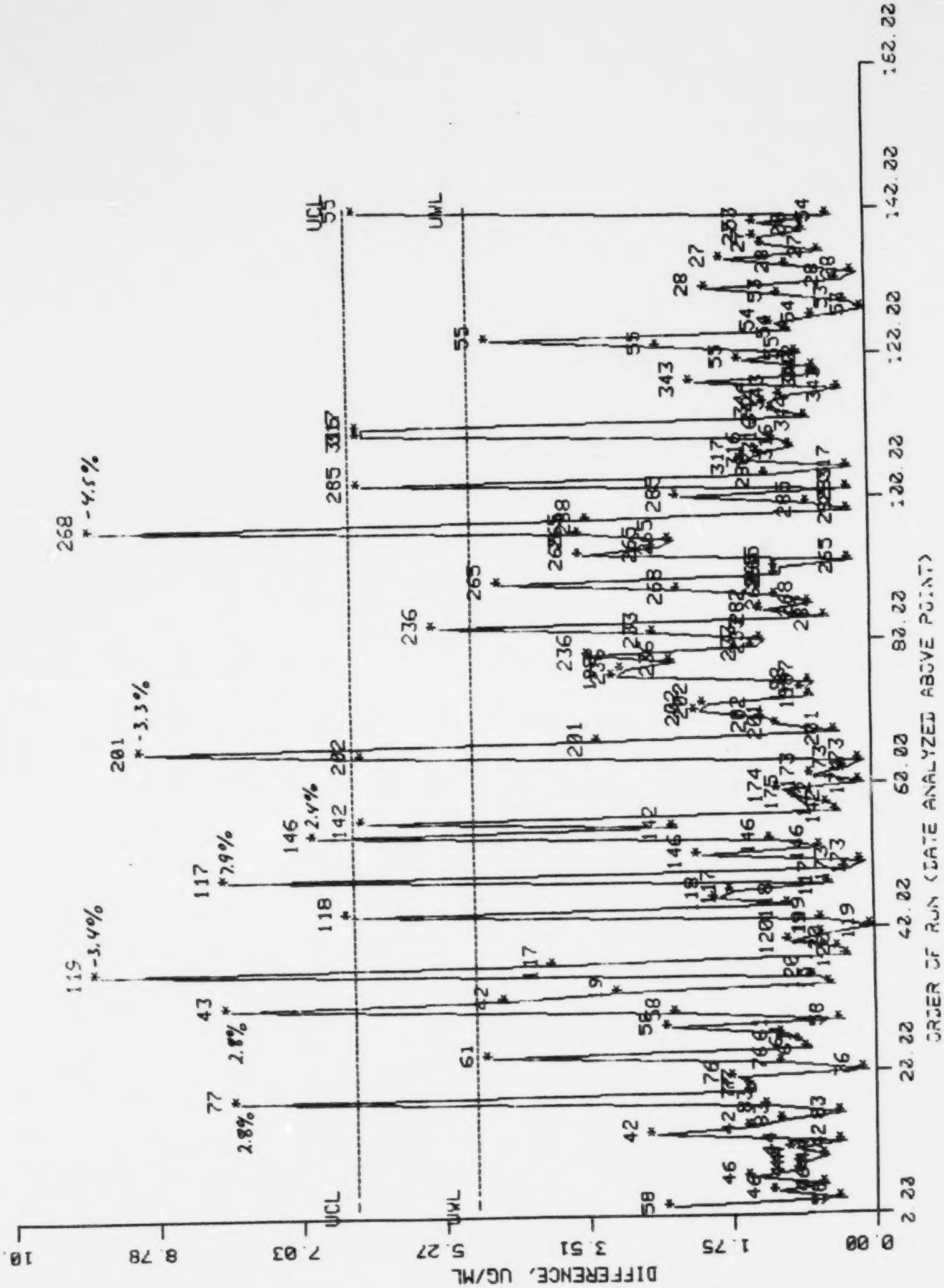
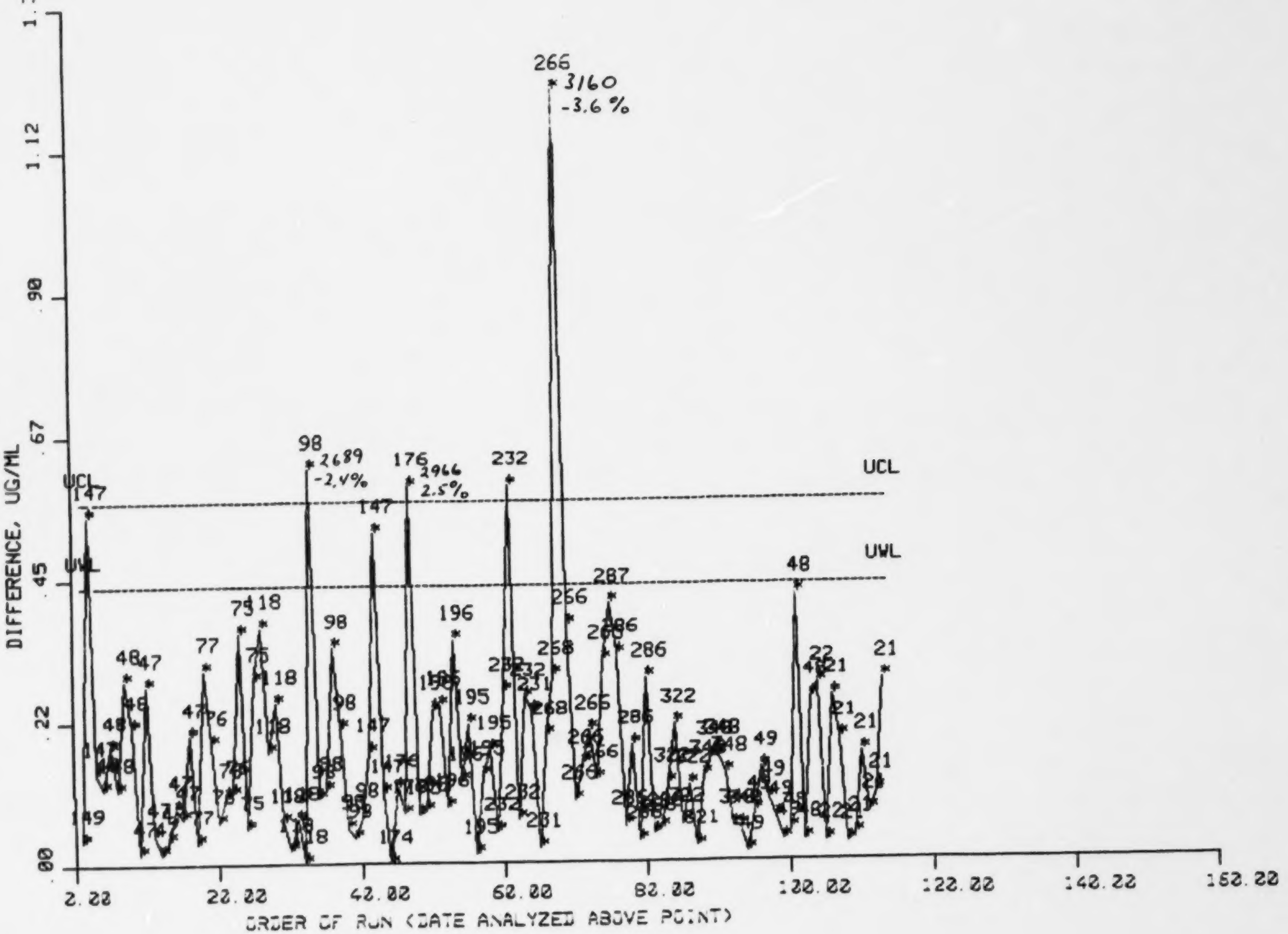


A10

QC GRAN SPK 100->100 UG/ML



QC COND DUP 0-36.8 UG/ML



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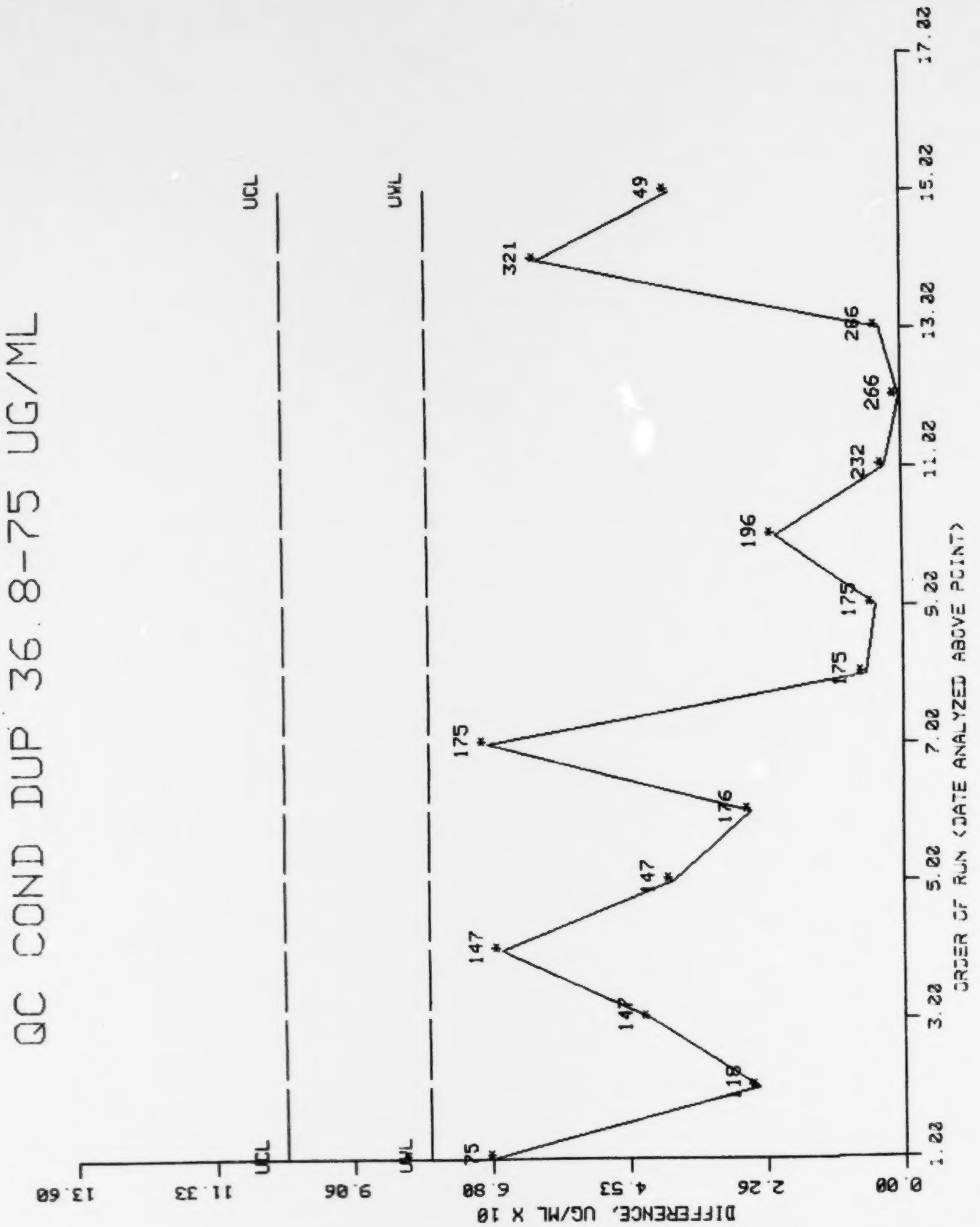
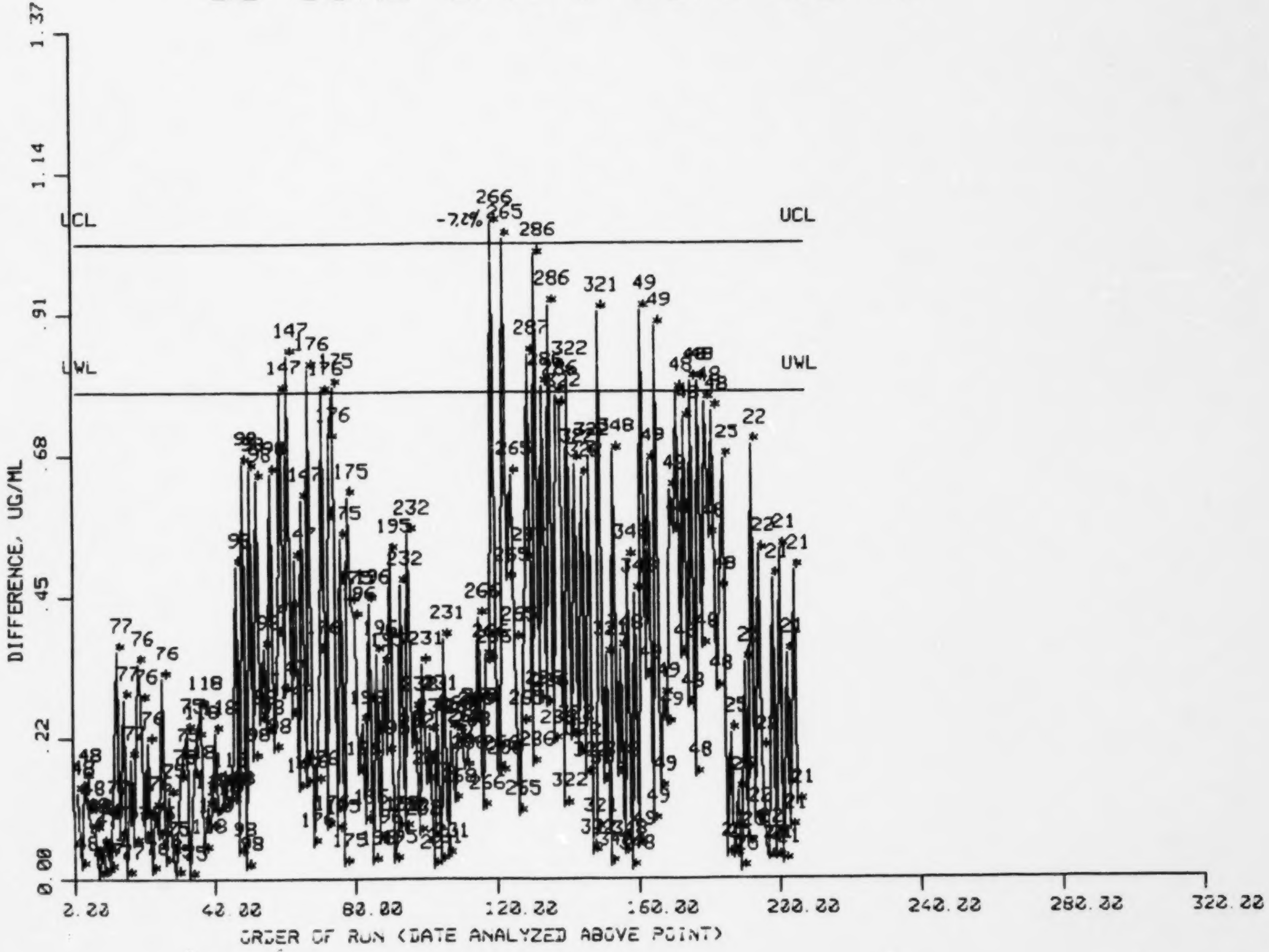
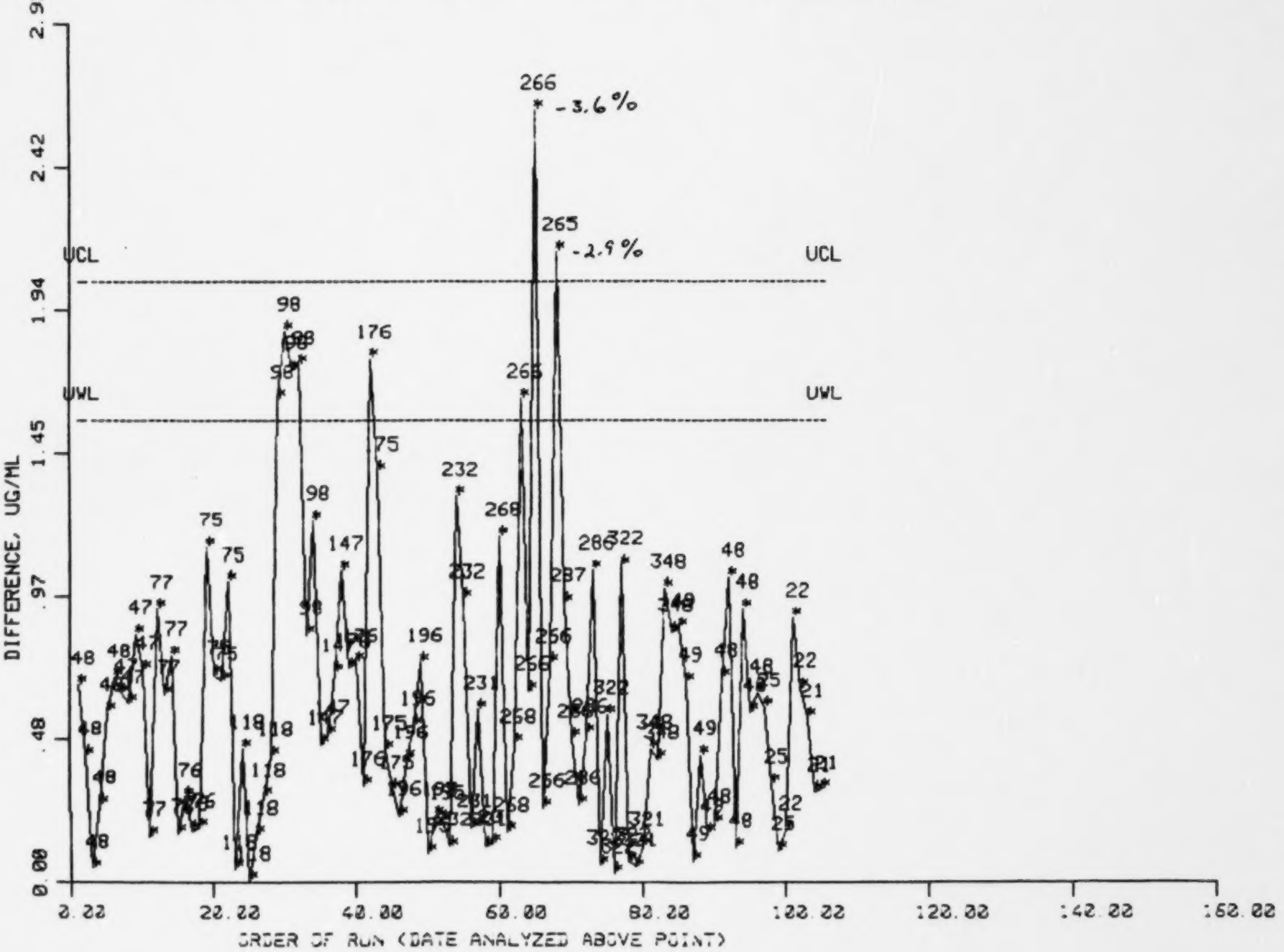


QC COND DUP 36.8-75 UG/ML

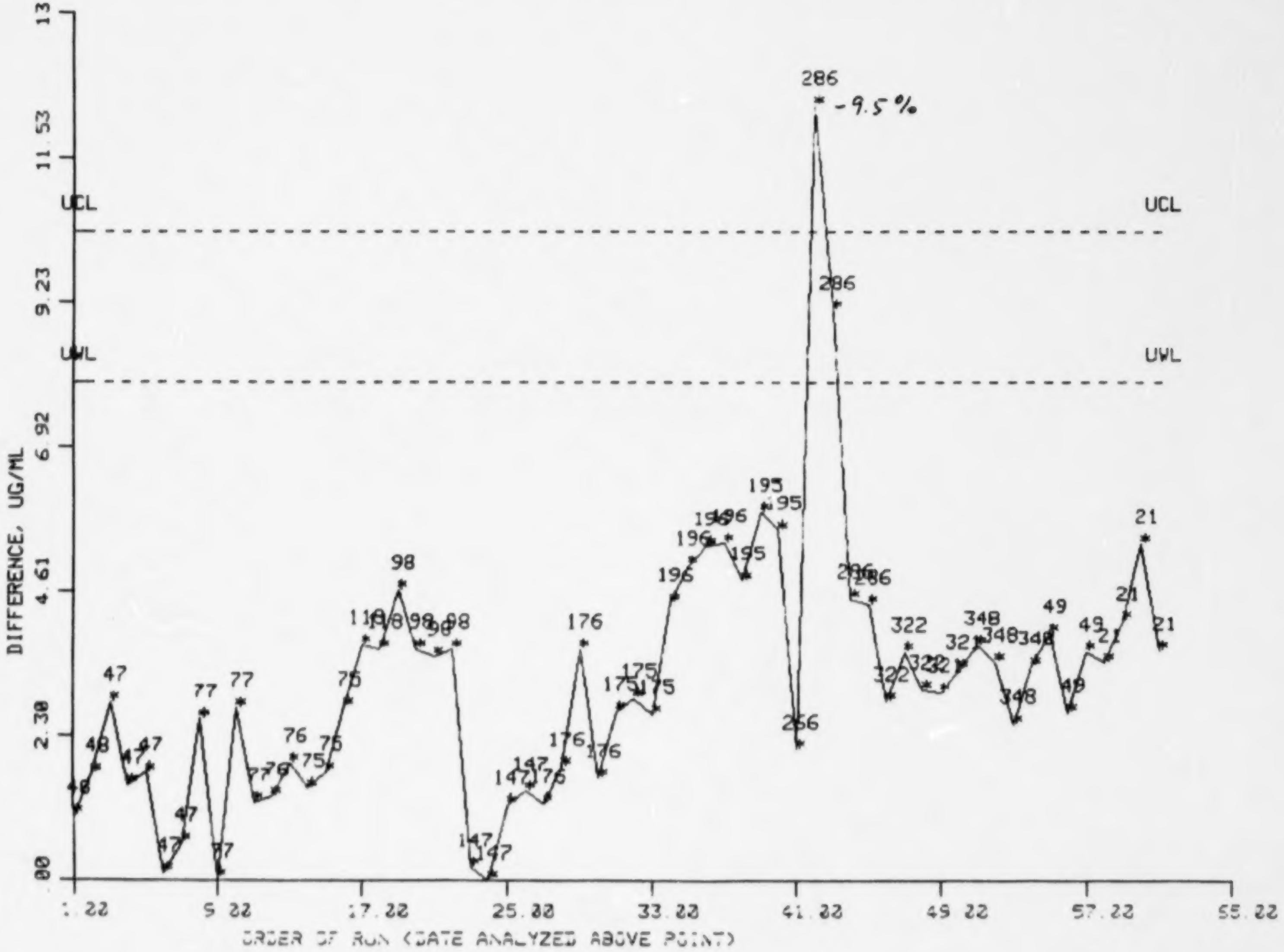
QC COND SPK 0-36 8 UG/ML



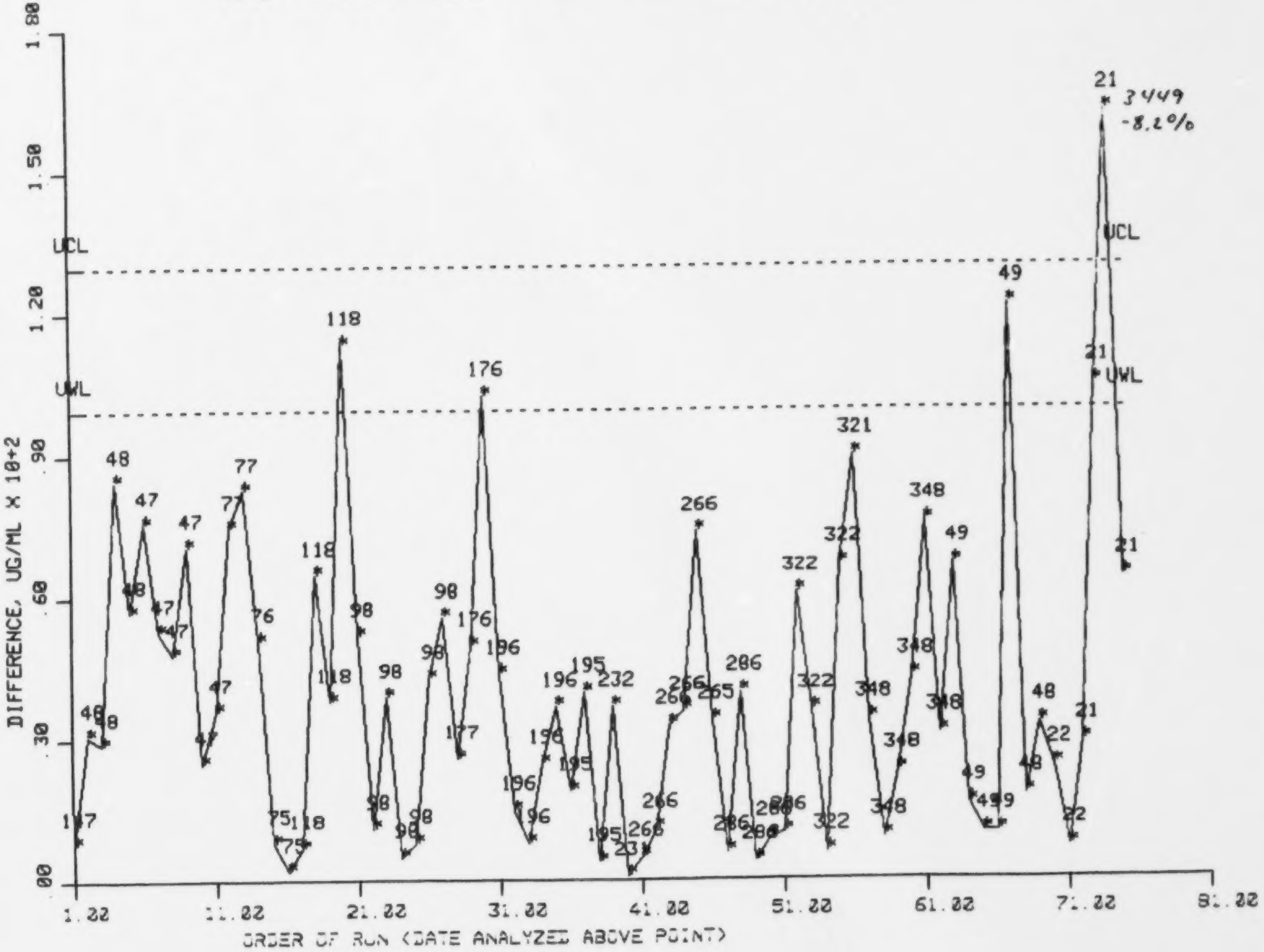
QC COND SPK 36.8-75 UG/ML

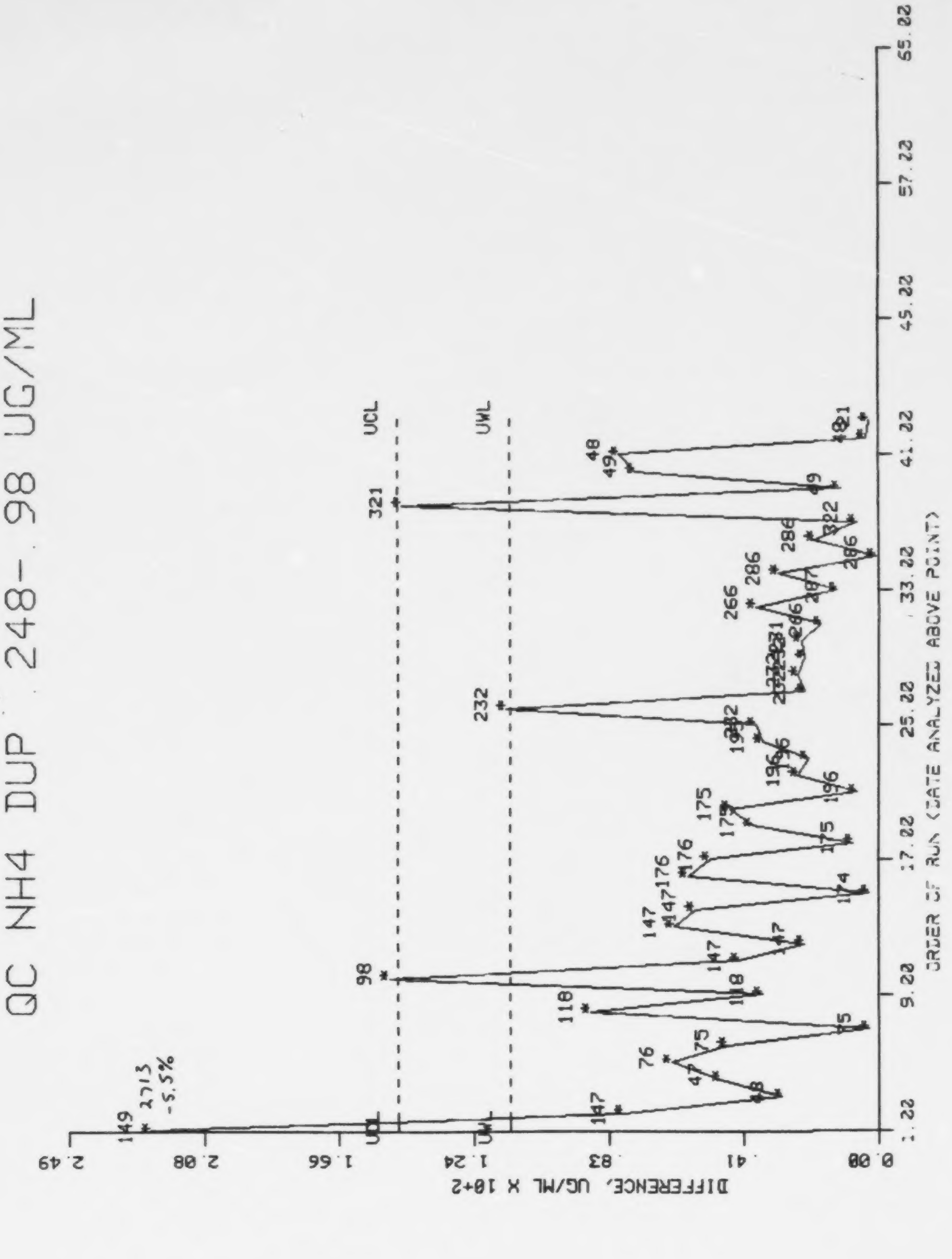


QC COND SPK 75-144.7 UG/ML



QC NH4 DUP 0- .248 UG/ML

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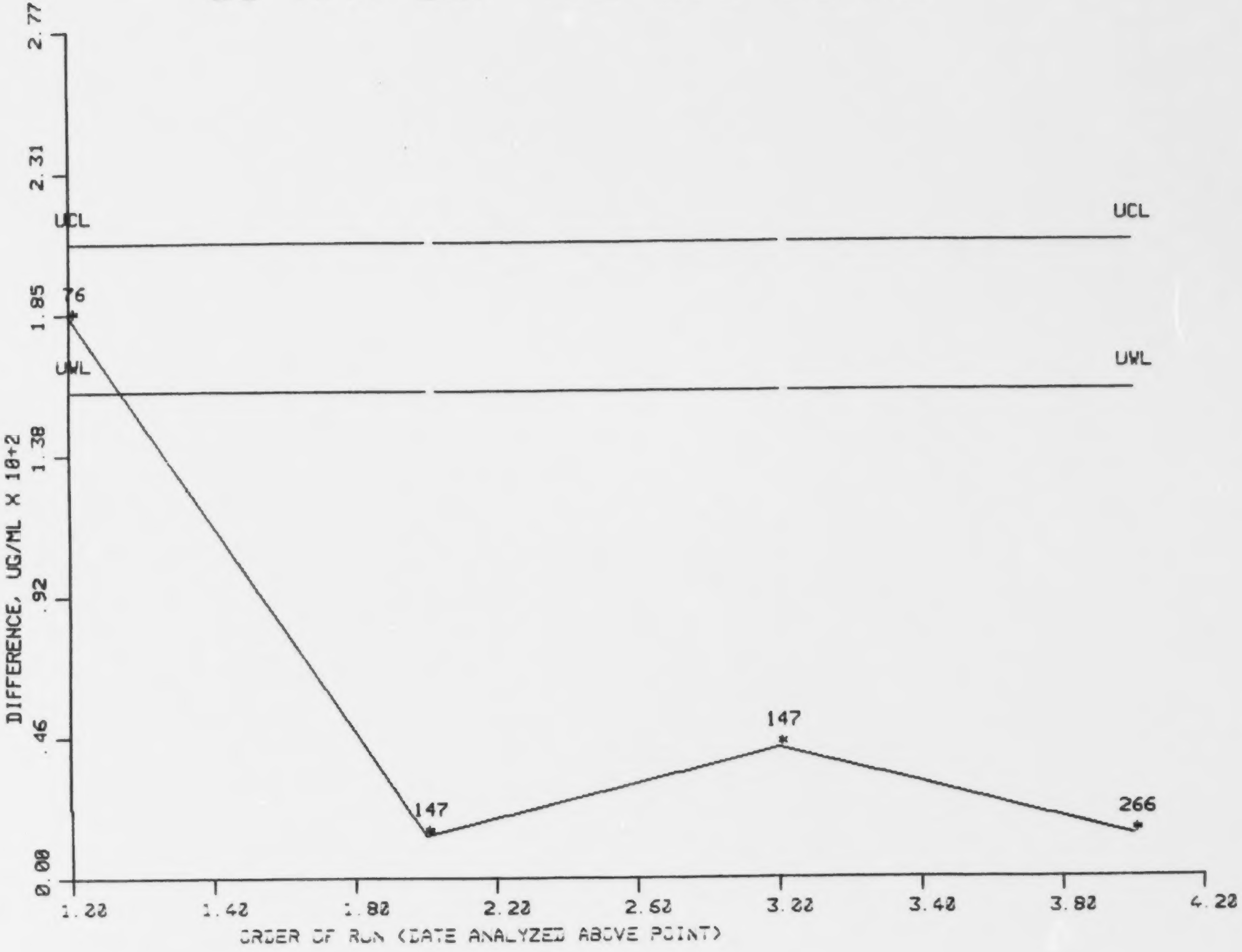
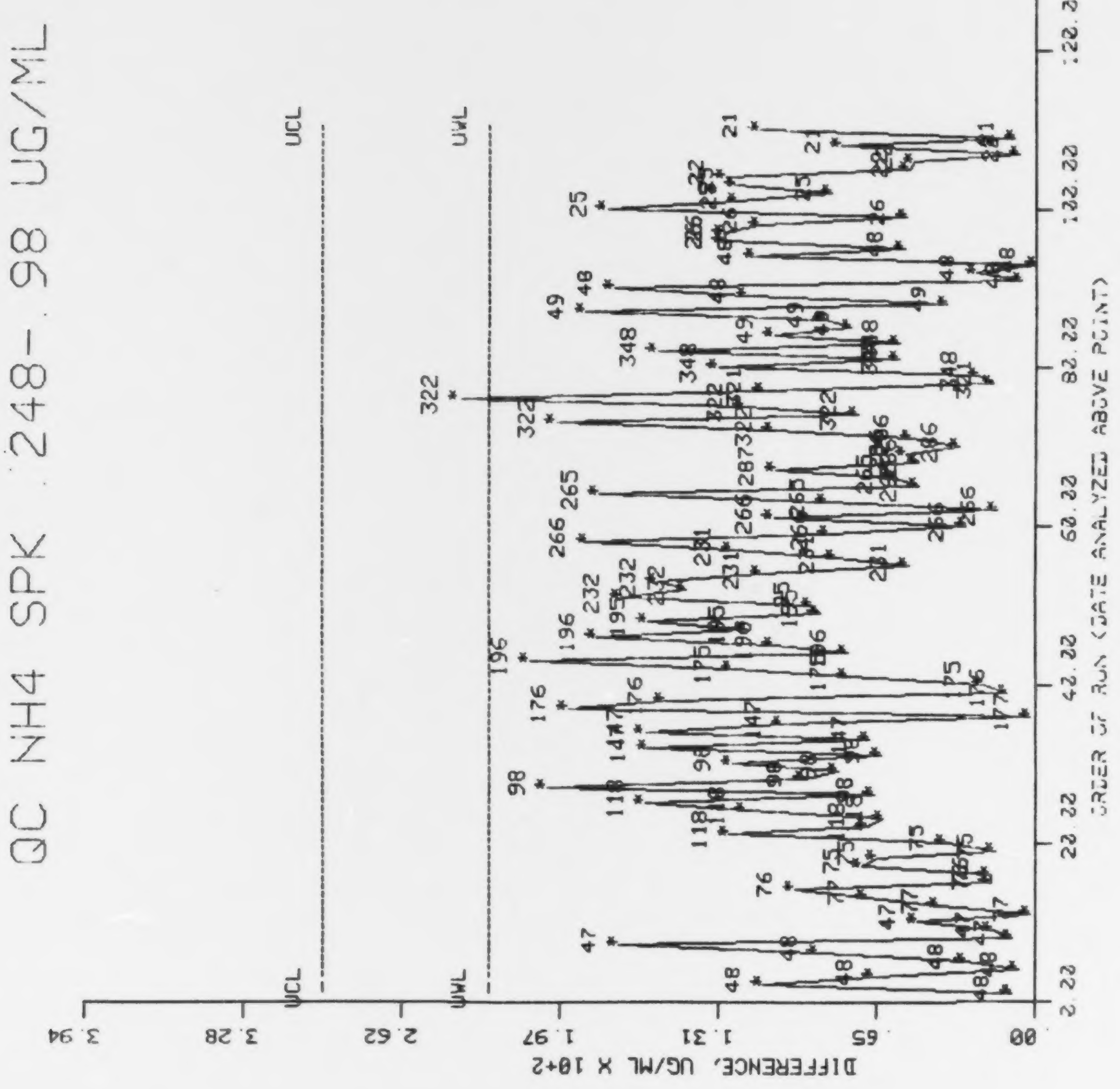
2.08
1.66
1.24
.83
.41
0.00
ORDER OF RUN (DATE ANALYZED ABOVE POINT)
1.22
9.22
17.22
25.22
33.22
41.22
45.22
57.22
65.22
UCL
UWL
149
2/13
-5.5%
147
76
75
118
98
147
176
175
196
232
266
286
321
322
49
48
21

QC NH4 DUP .98-2.9 UG/ML

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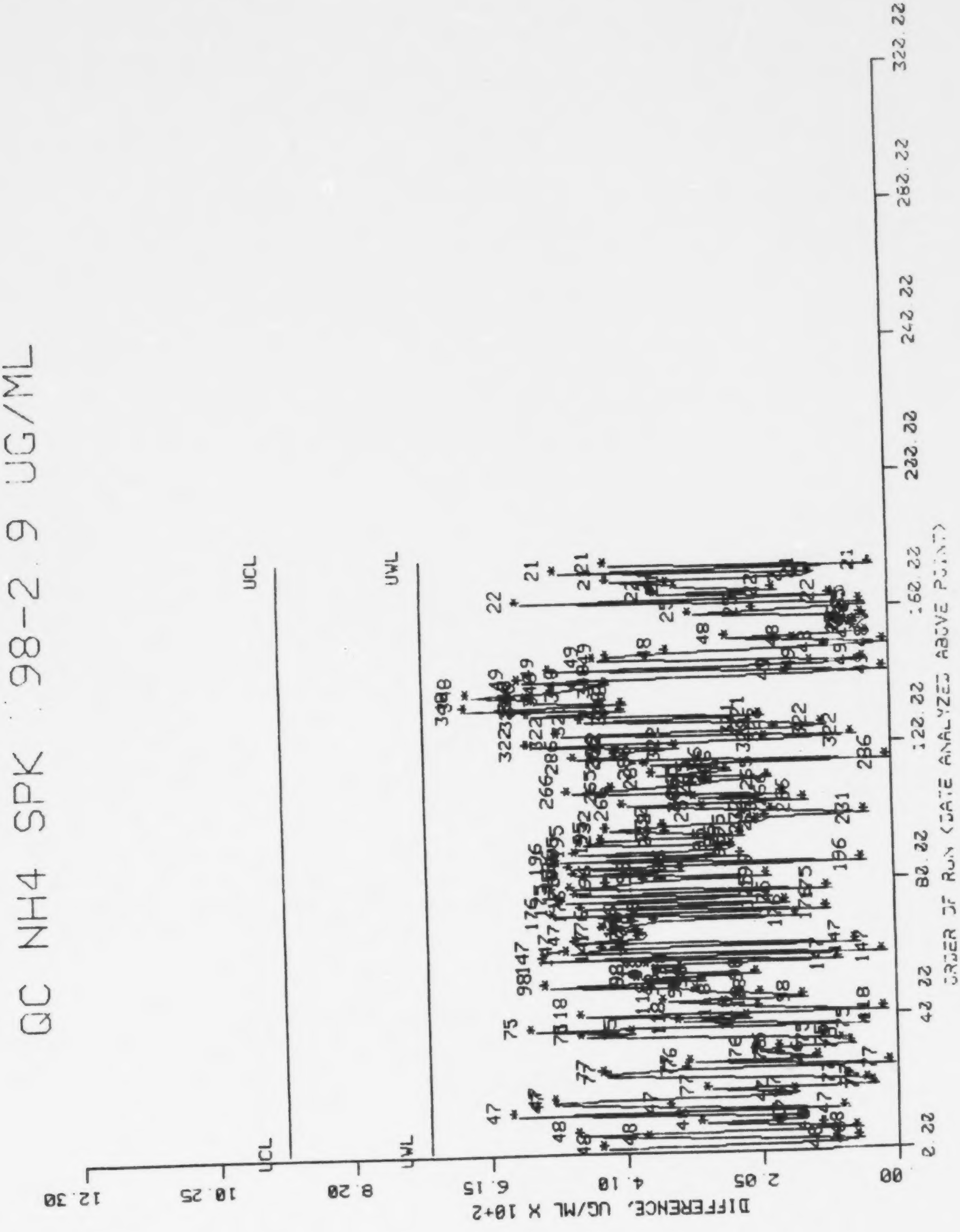
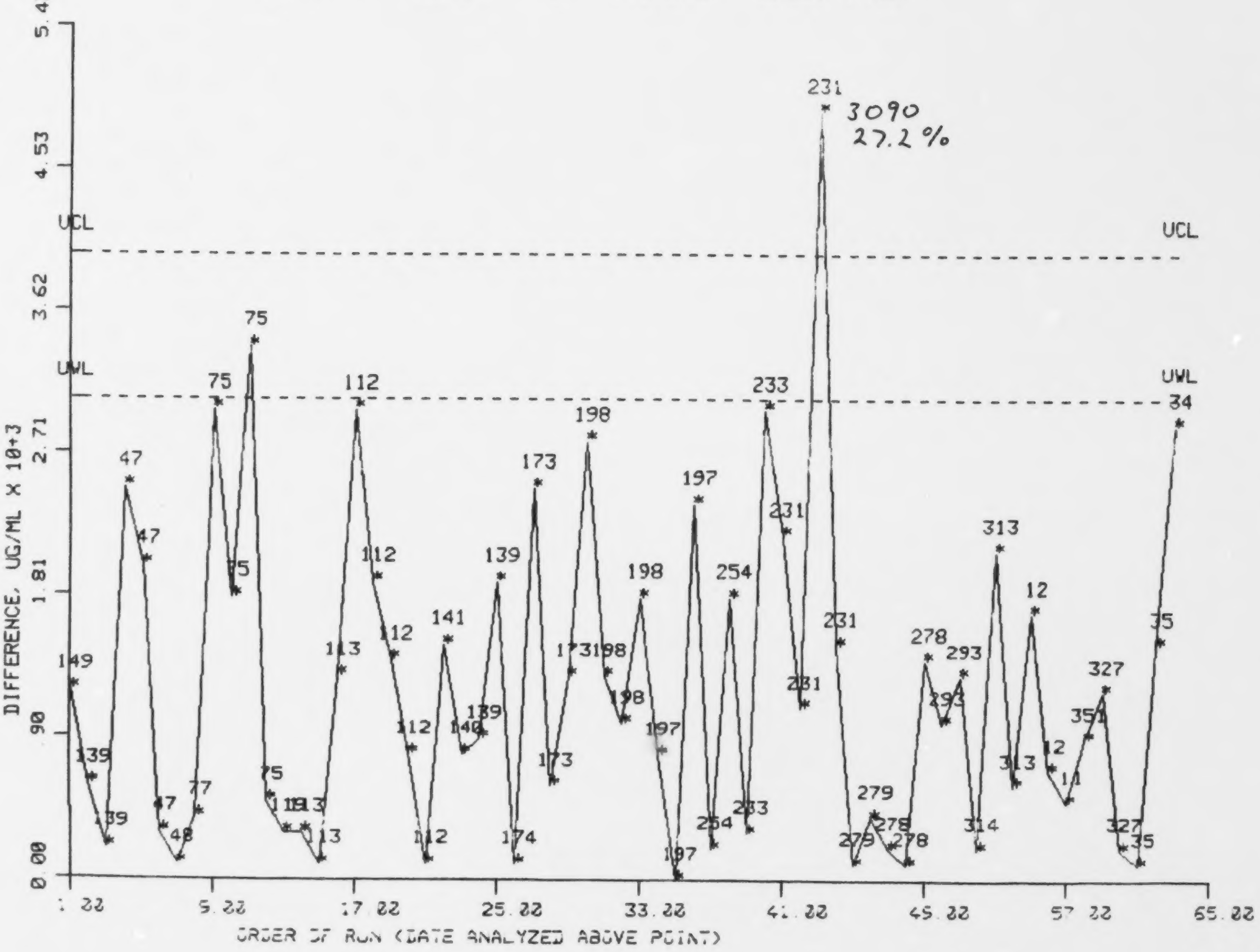
UCL
UWL
3.94
3.28
2.62
1.97
1.31
.65
00
DIFFERENCE, UG/ML X 10+2
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
ORDER OF RUN (DATE ANALYZED ABOVE POINT)

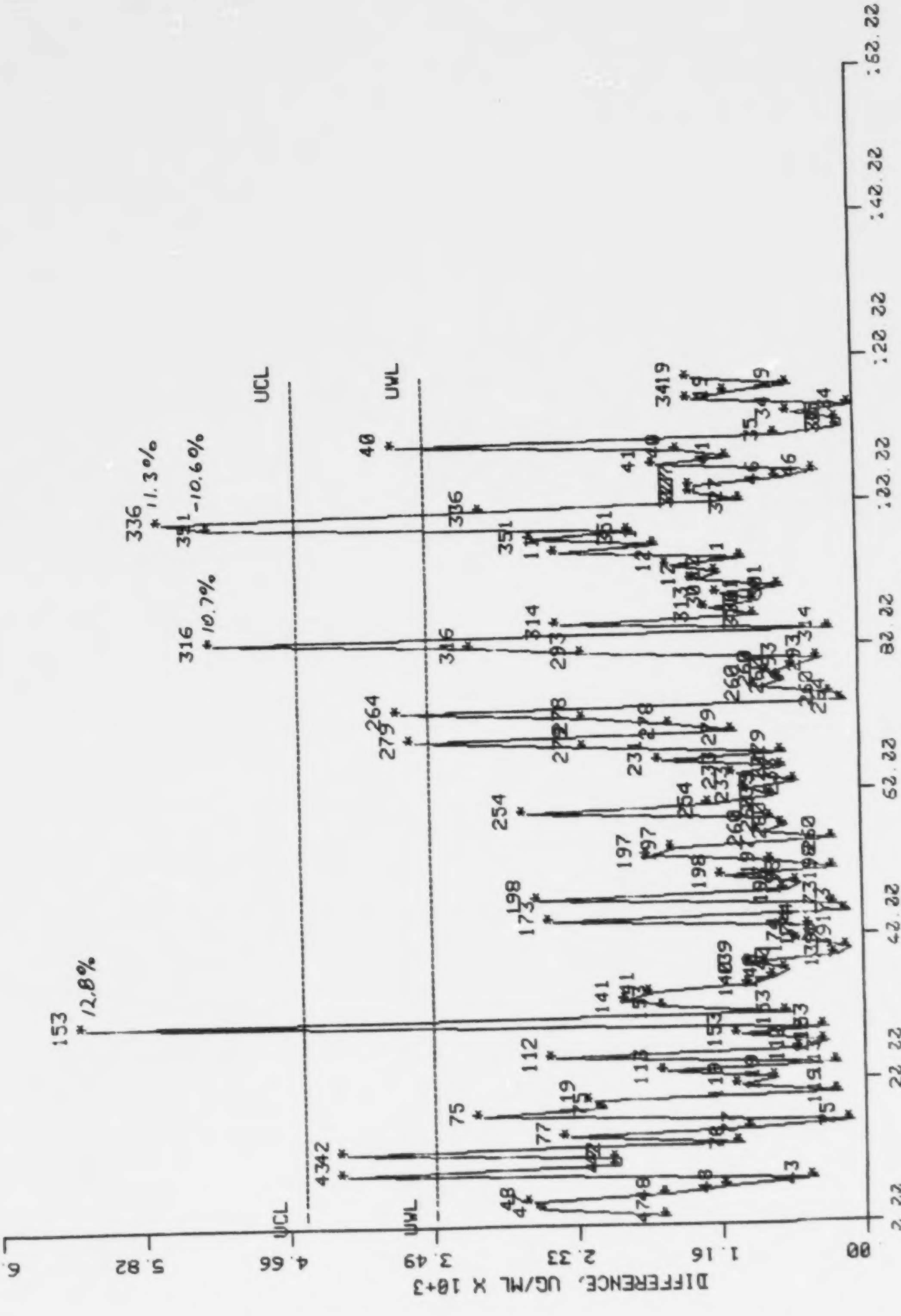
A20


QC NH4 SPK 98-2 9 UG/ML
UCL
UWL
DIFFERENCE, UG/ML X 10+2
12.30
10.25
8.20
6.15
4.10
2.05
00
ORDER OF RUN (DATE ANALYZED ABOVE POINT)
0.00
40.00
80.00
120.00
160.00
200.00
240.00
280.00
320.00

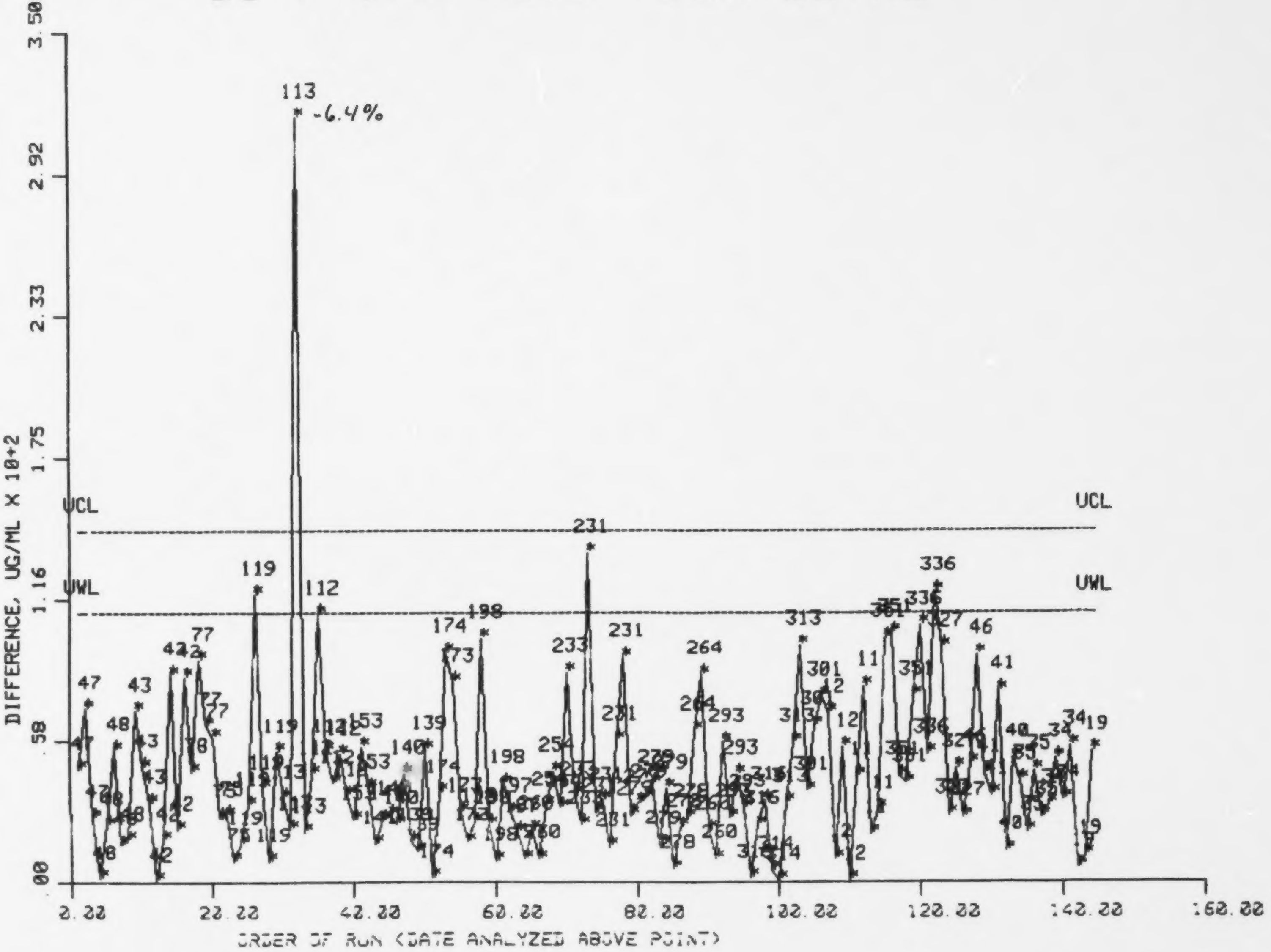
QC F DUP 0-.099 UG/ML



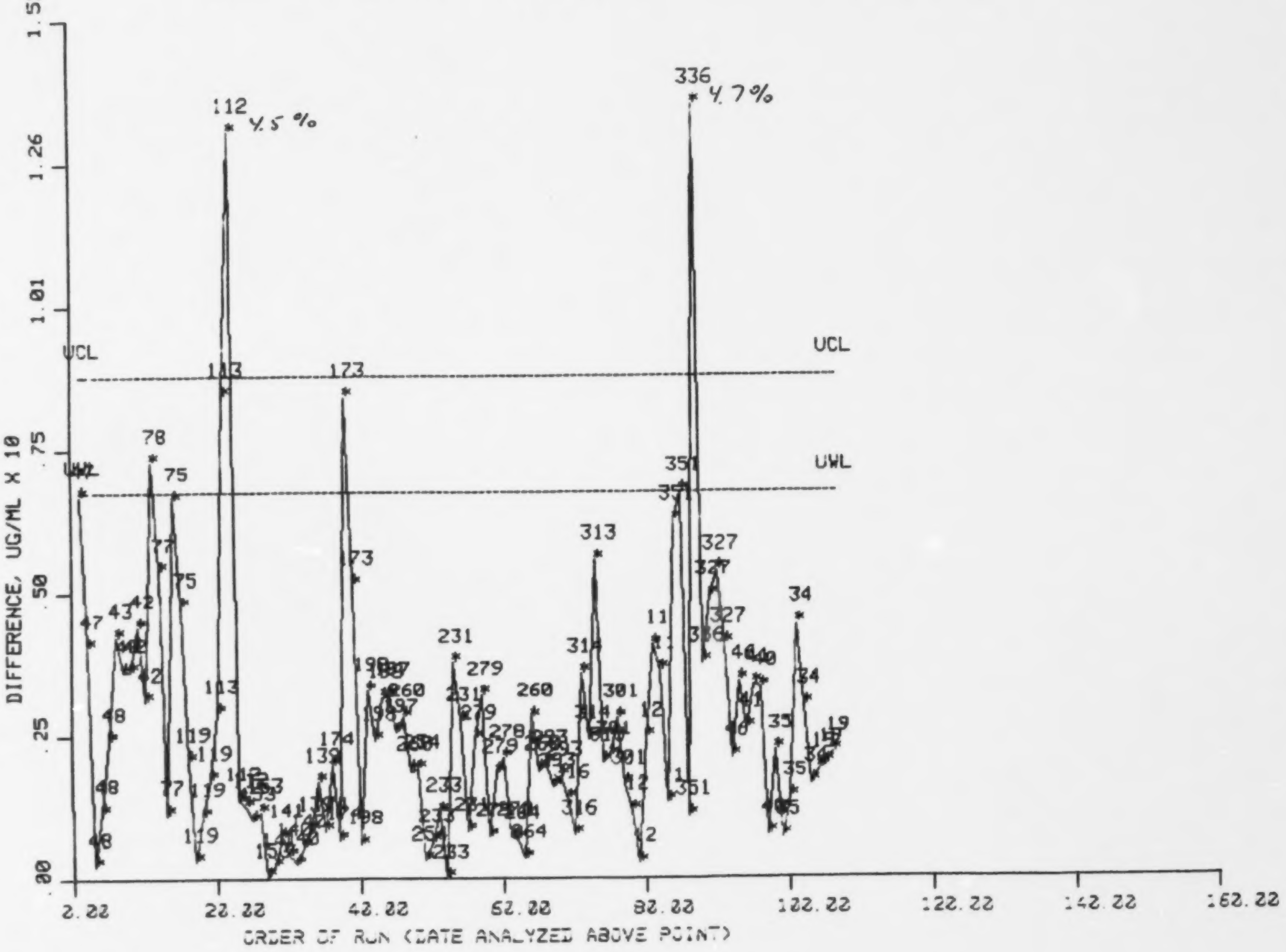
QC F SPK 0- 099 UG/ML

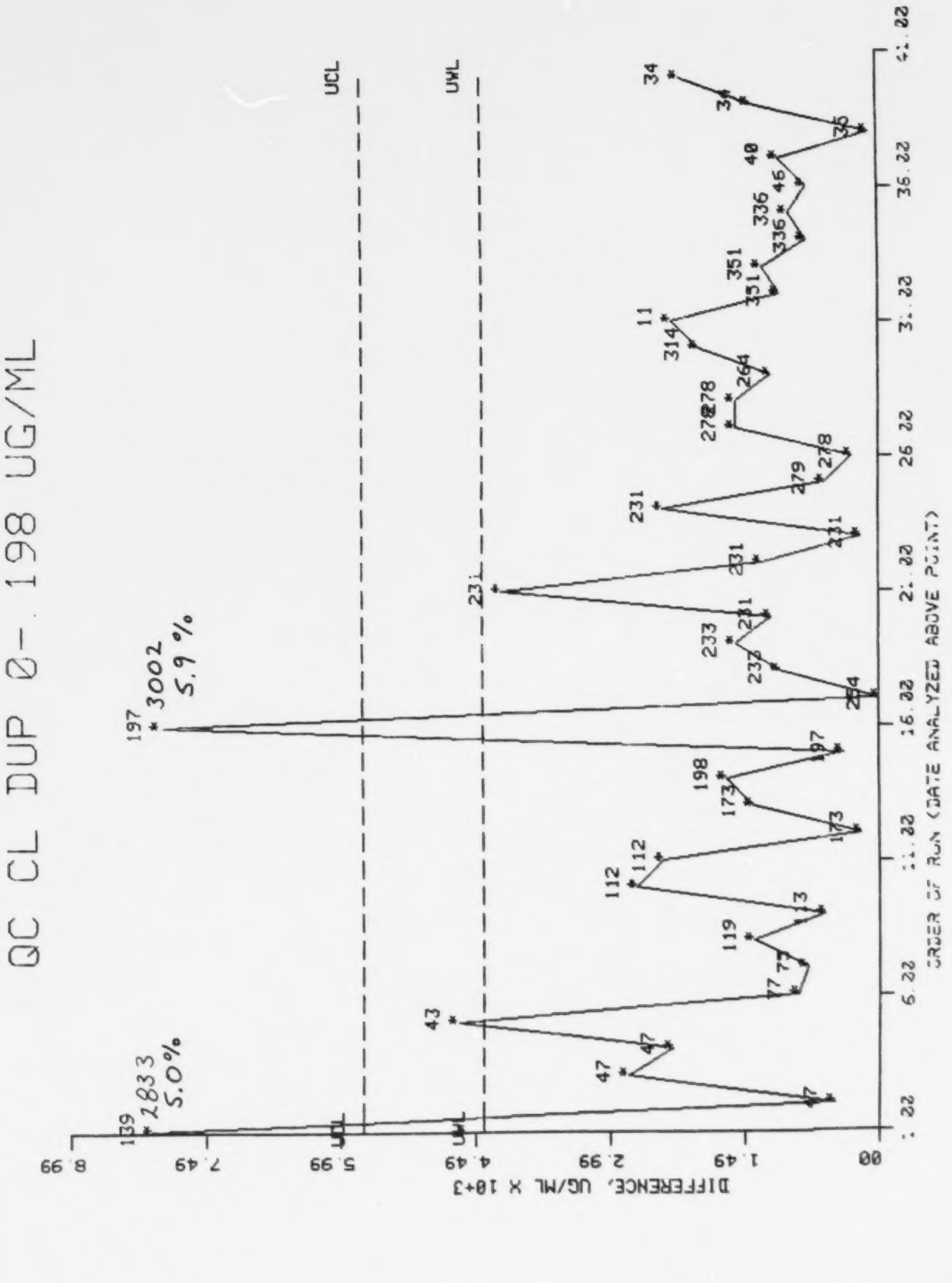


QC F SPK .099-.984 UG/ML

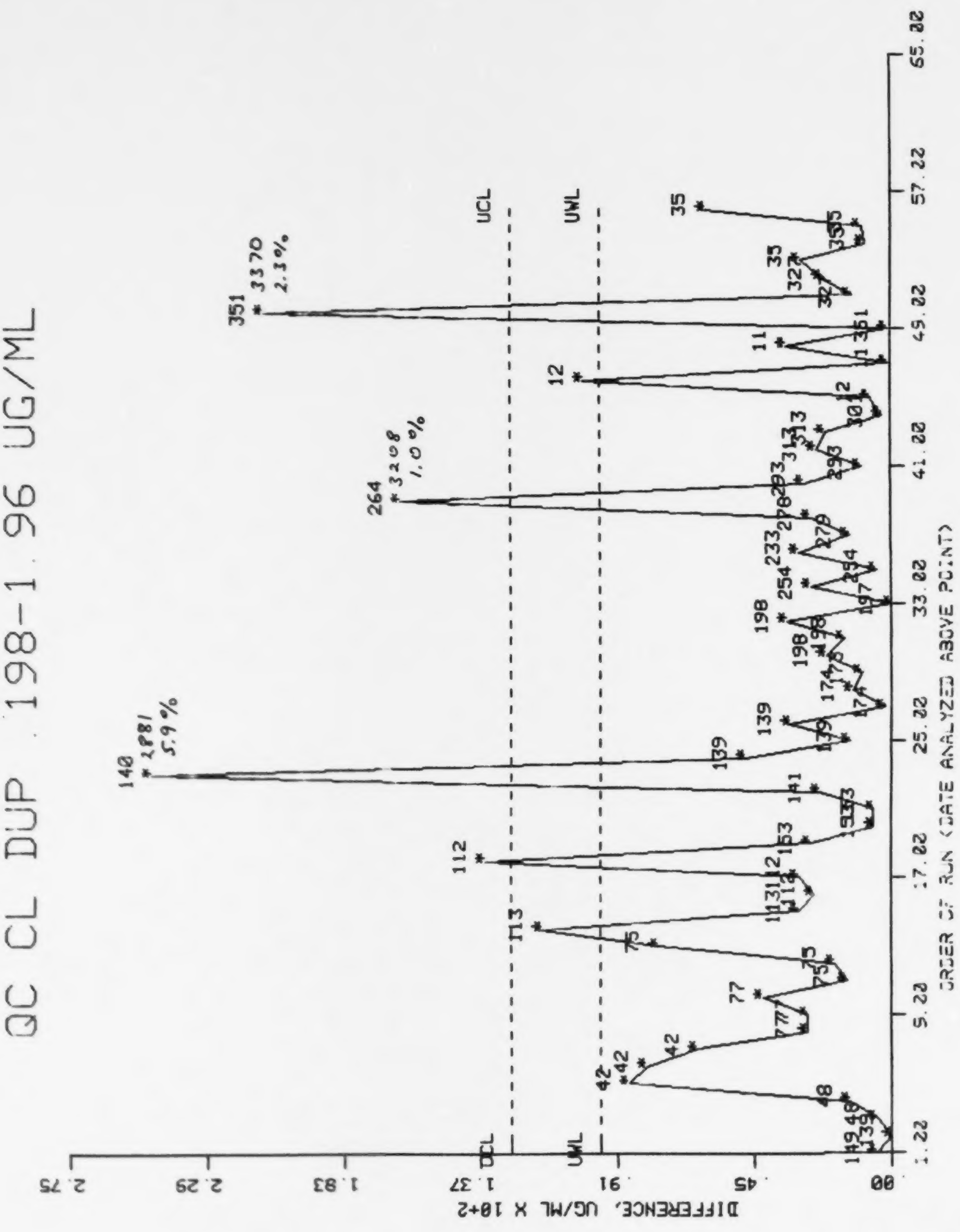


QC F SPK 984-5.66 UG/ML

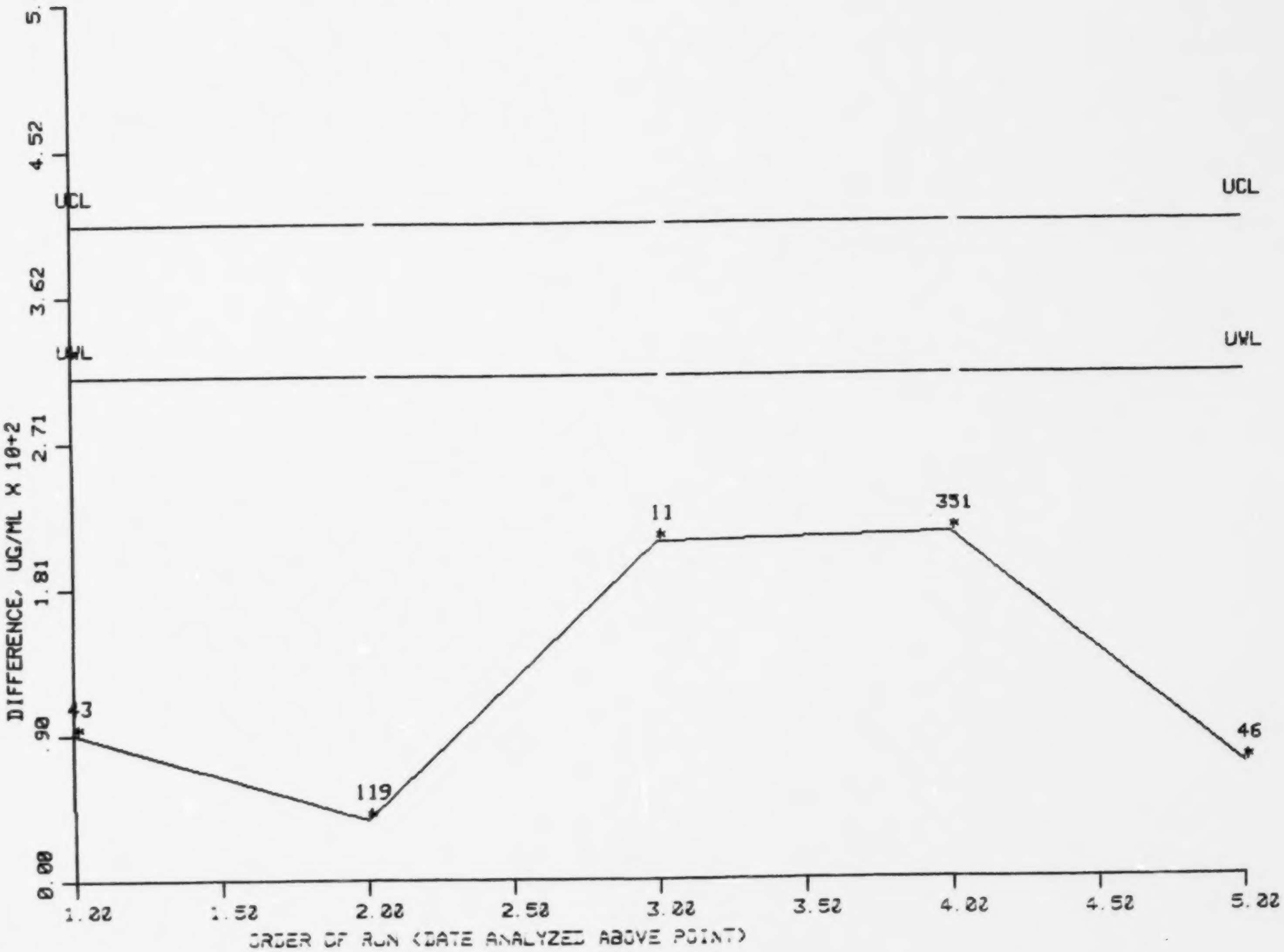



QC CL DUP 0- . 198 UG/ML
DIFFERENCE, UG/ML X 10+3
ORDER OF RUN (DATE ANALYZED ABOVE POINT)
8.99
7.49
5.99
4.49
2.99
1.49
00
1.22
6.22
11.22
16.22
21.22
26.22
31.22
36.22
41.22
UCL
UWL
139
2833
5.0%
197
3002
5.9%
47
43
77
119
13
112
173
198
254
233
231
279
278
264
314
11
351
336
46
40
35
34

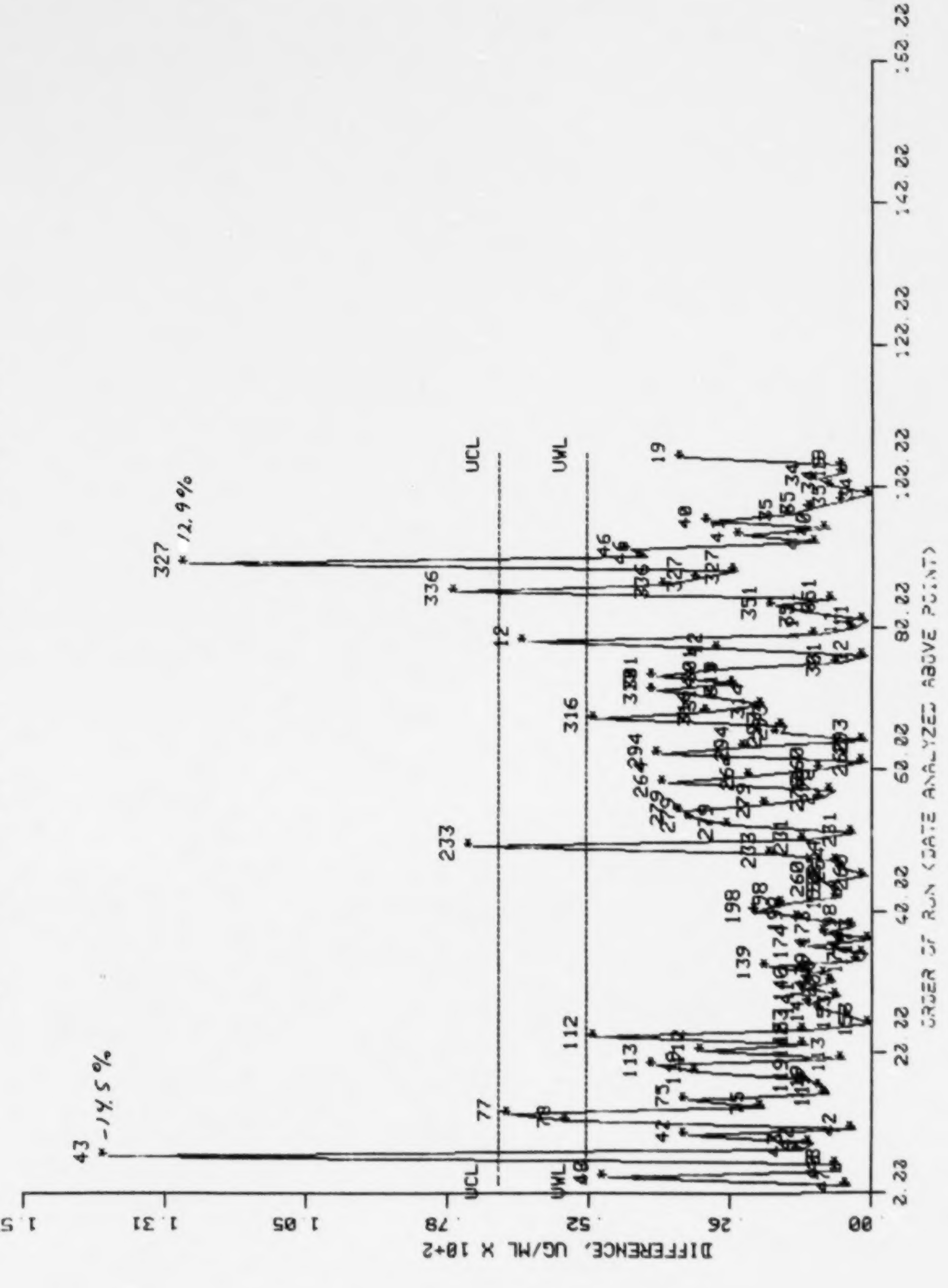
A26


QC CL DUP 198-1.96 UG/ML

QC CL DUP 1.96-11.3 UG/ML



QC CL SPK 0-.198 UG/ML



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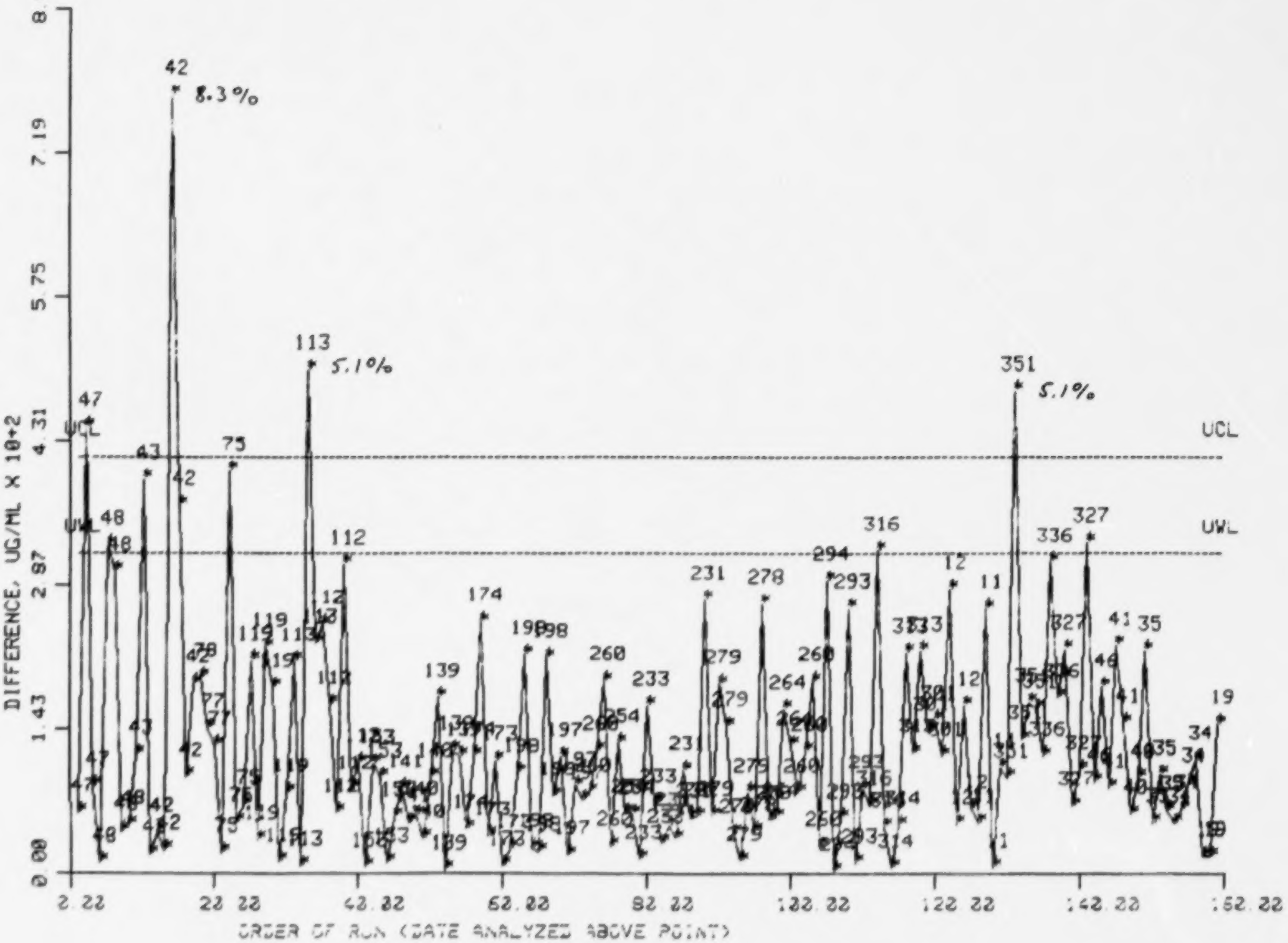
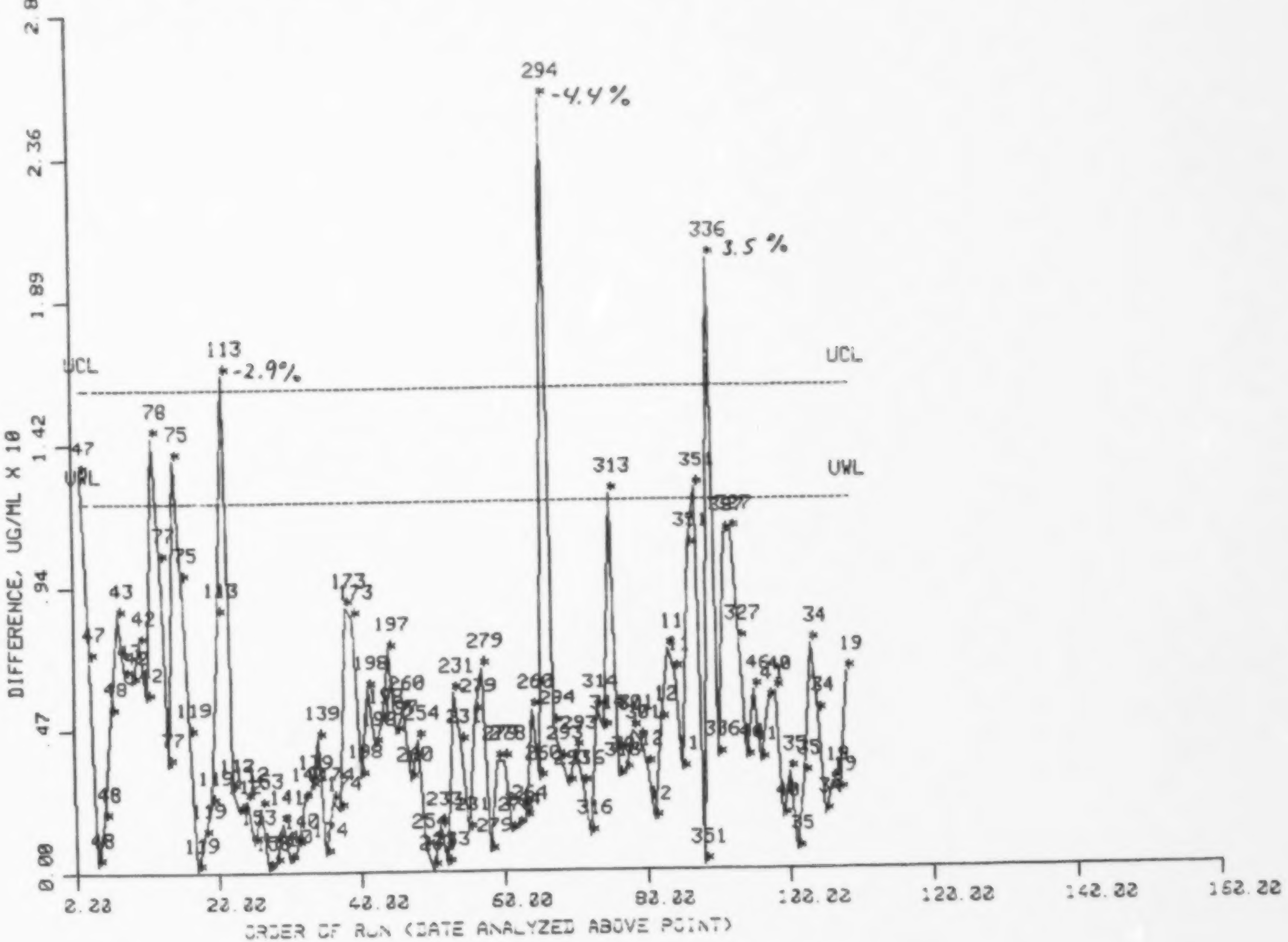
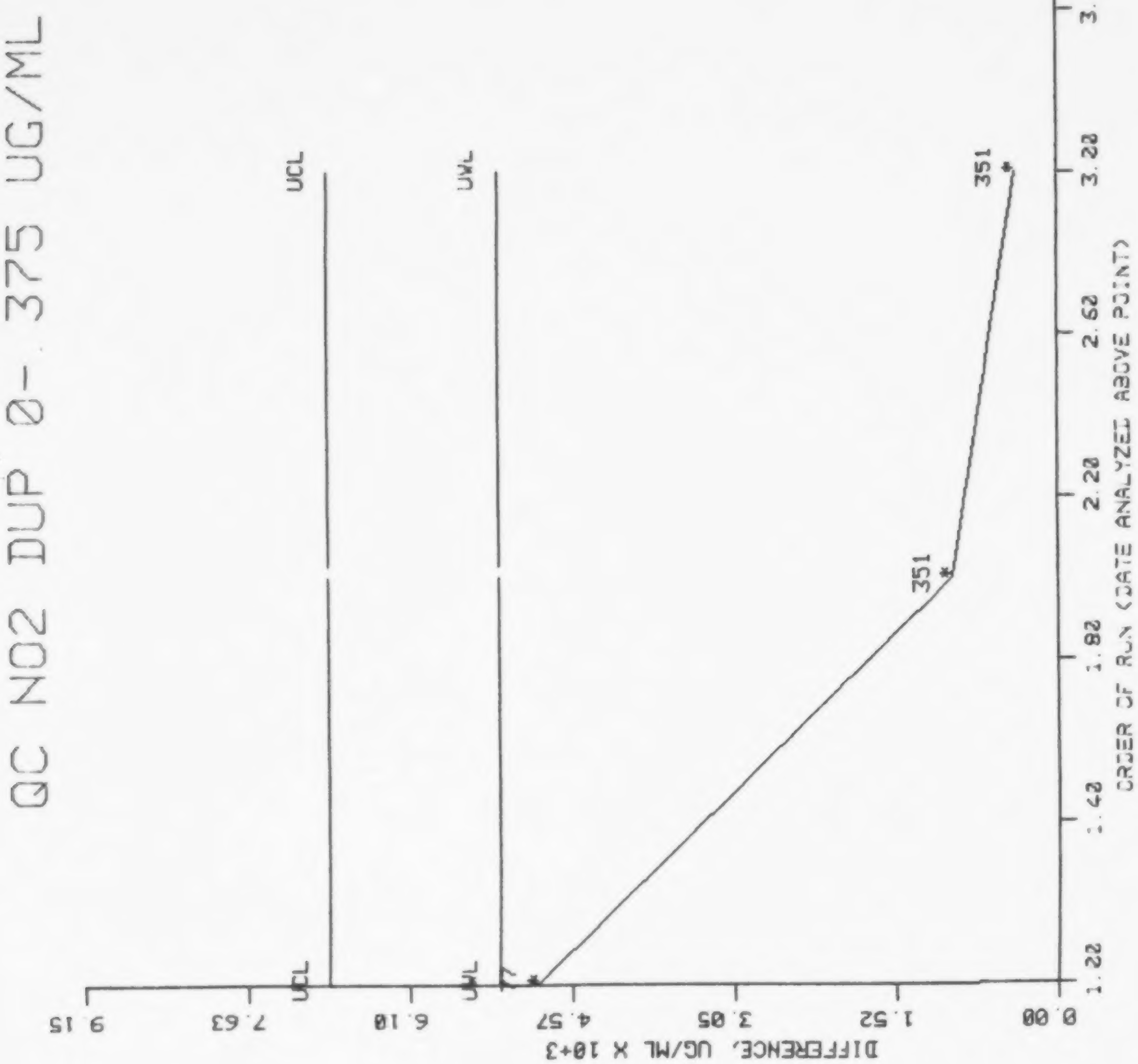
QC CL SPK 198-1 96 UG/ML

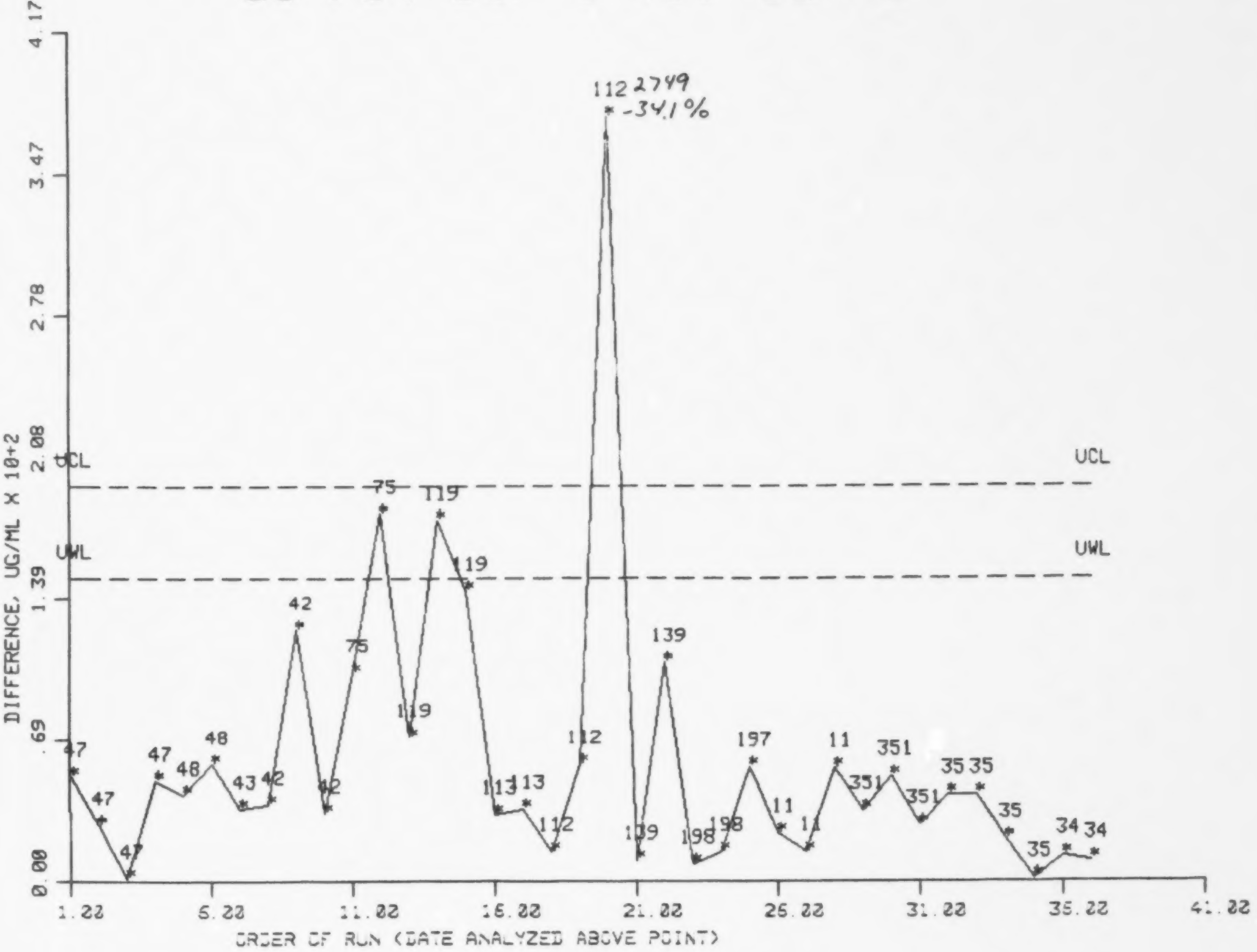


QC CL SPK 1.96-11.3 UG/ML

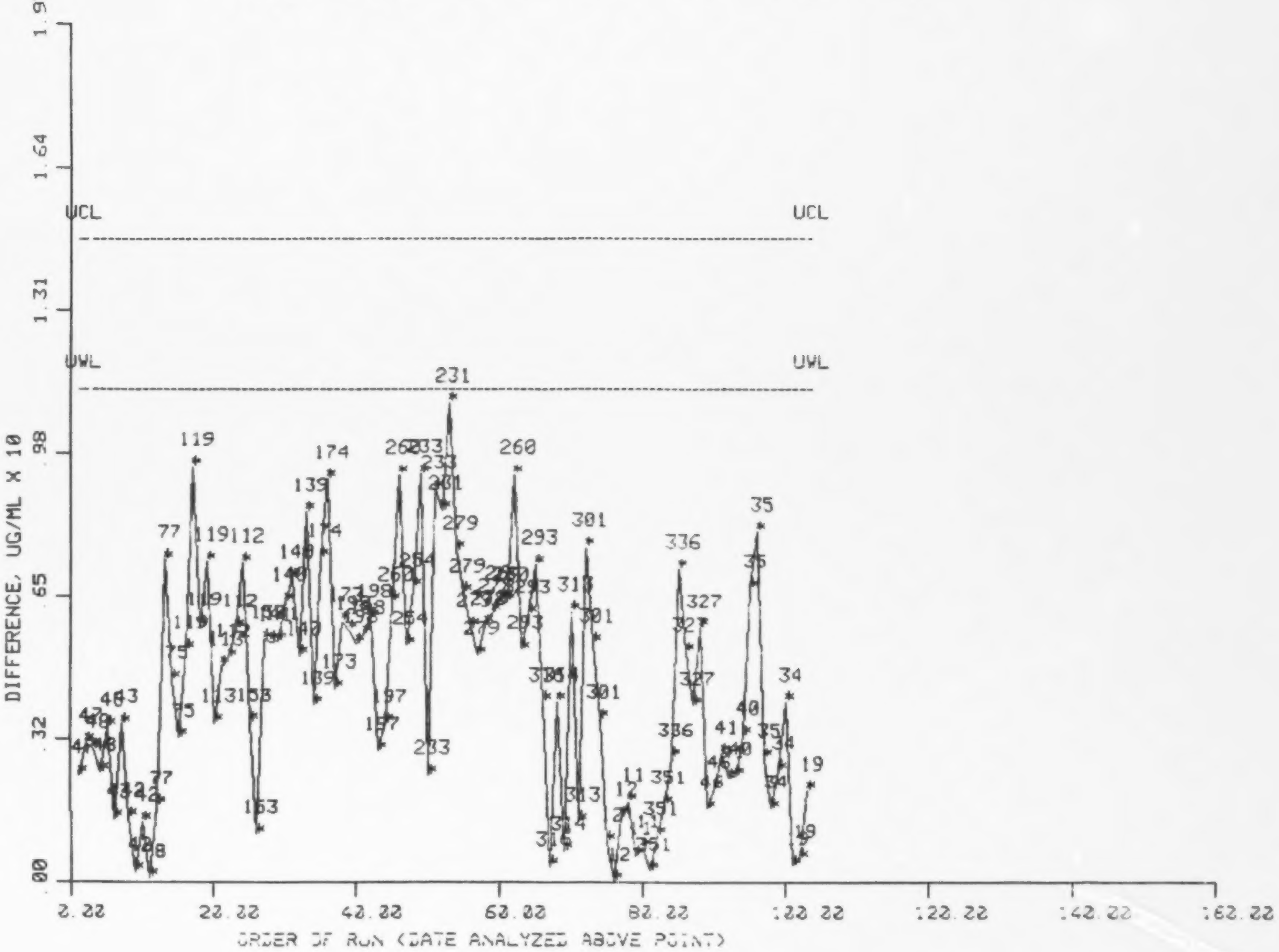



QC NO2 DUP 0- .375 UG/ML

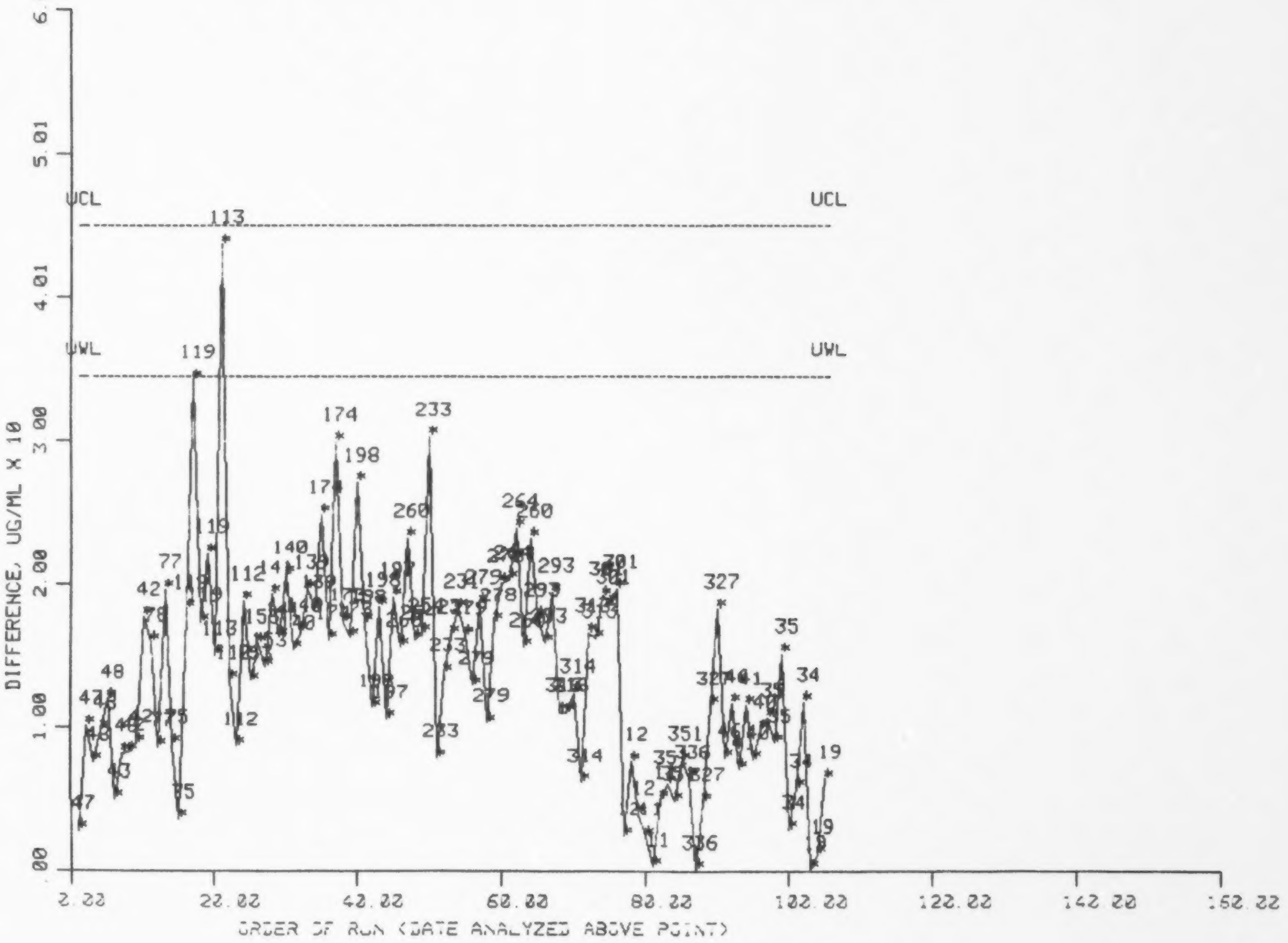
QC PO4 DUP 0- 99 UG/ML



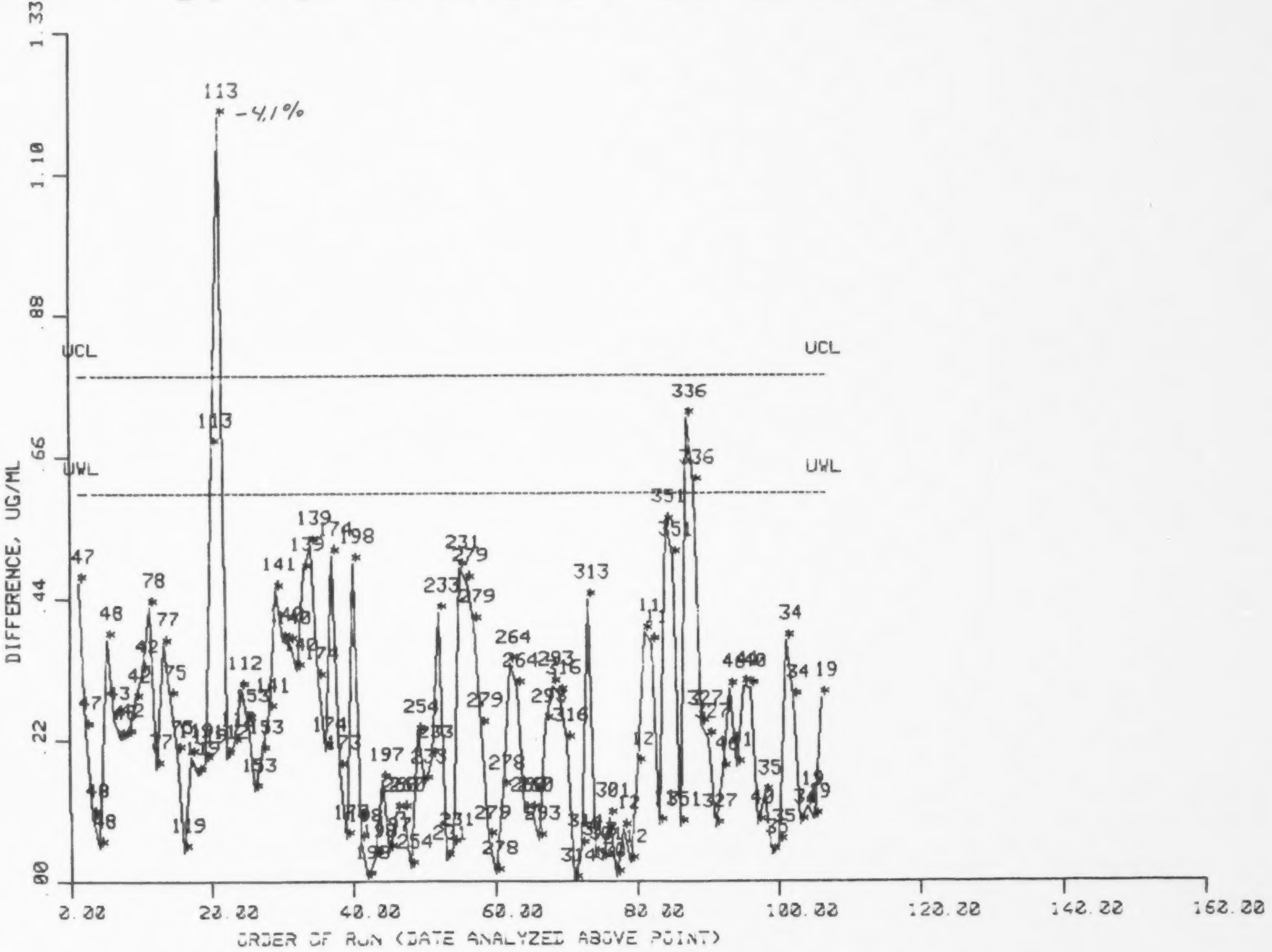
QC PO4 SPK 0-.99 UG/ML



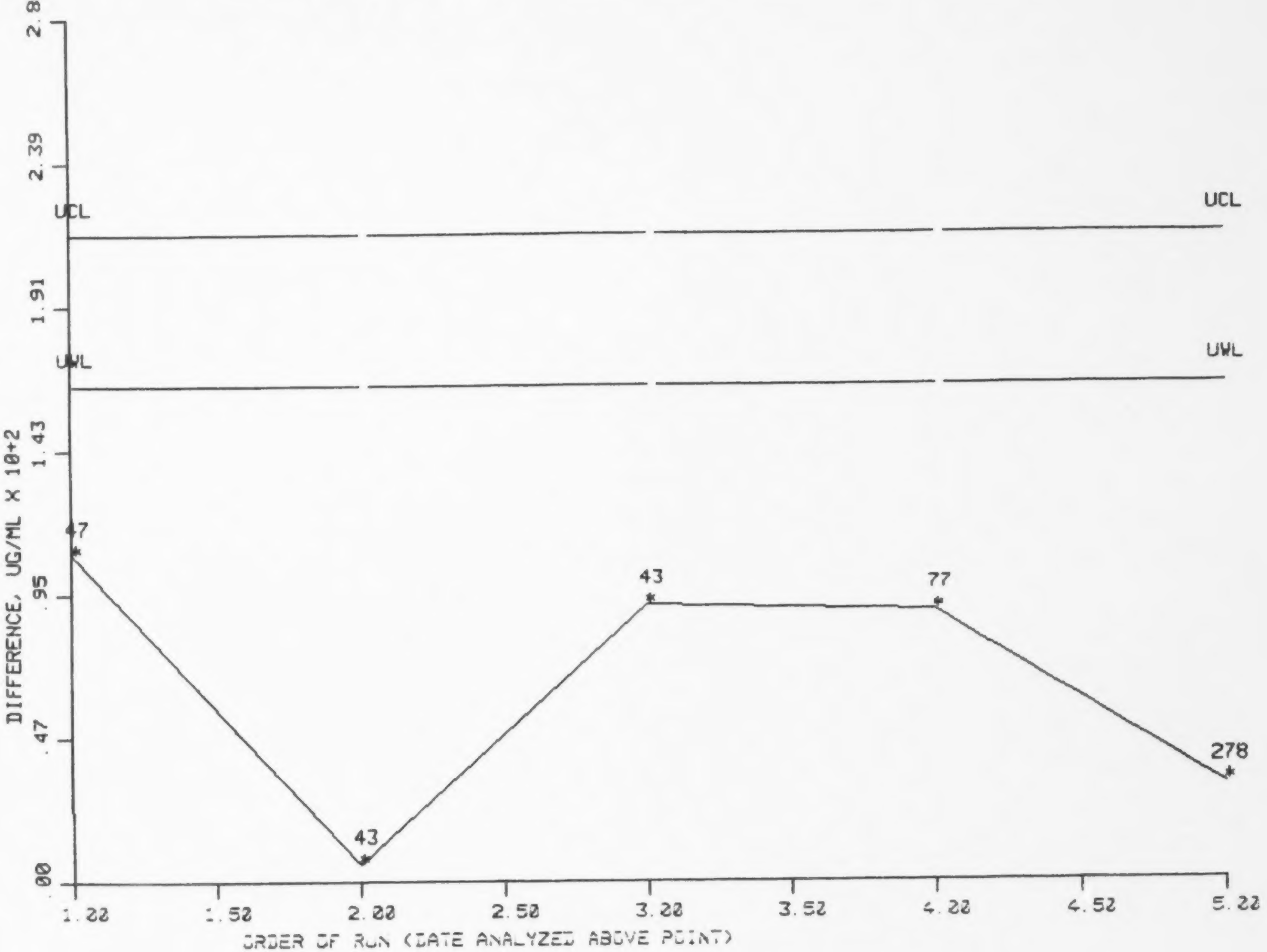
QC PO4 SPK 99-9.84 UG/ML



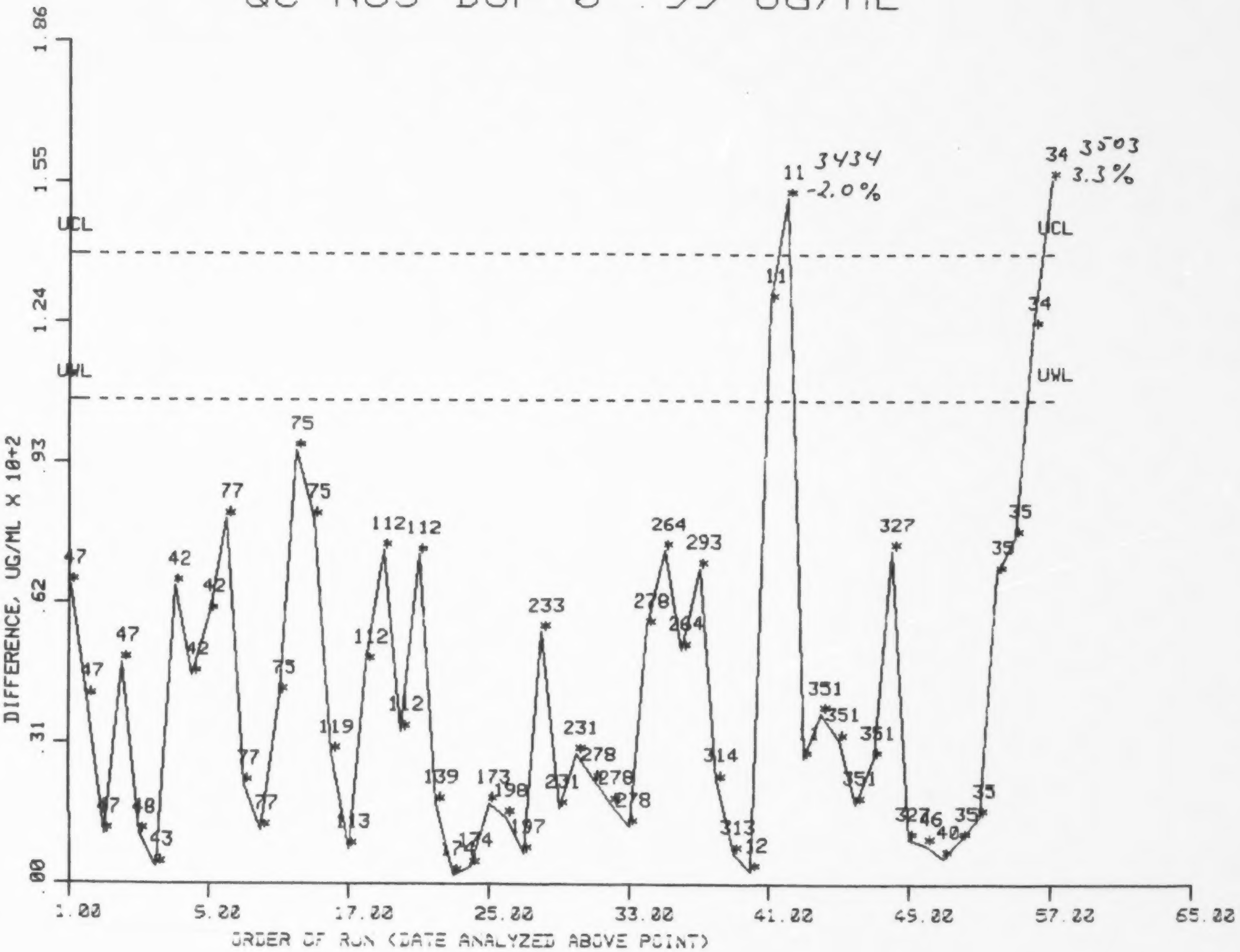
QC PO4 SPK 9.84-56.6 UG/ML



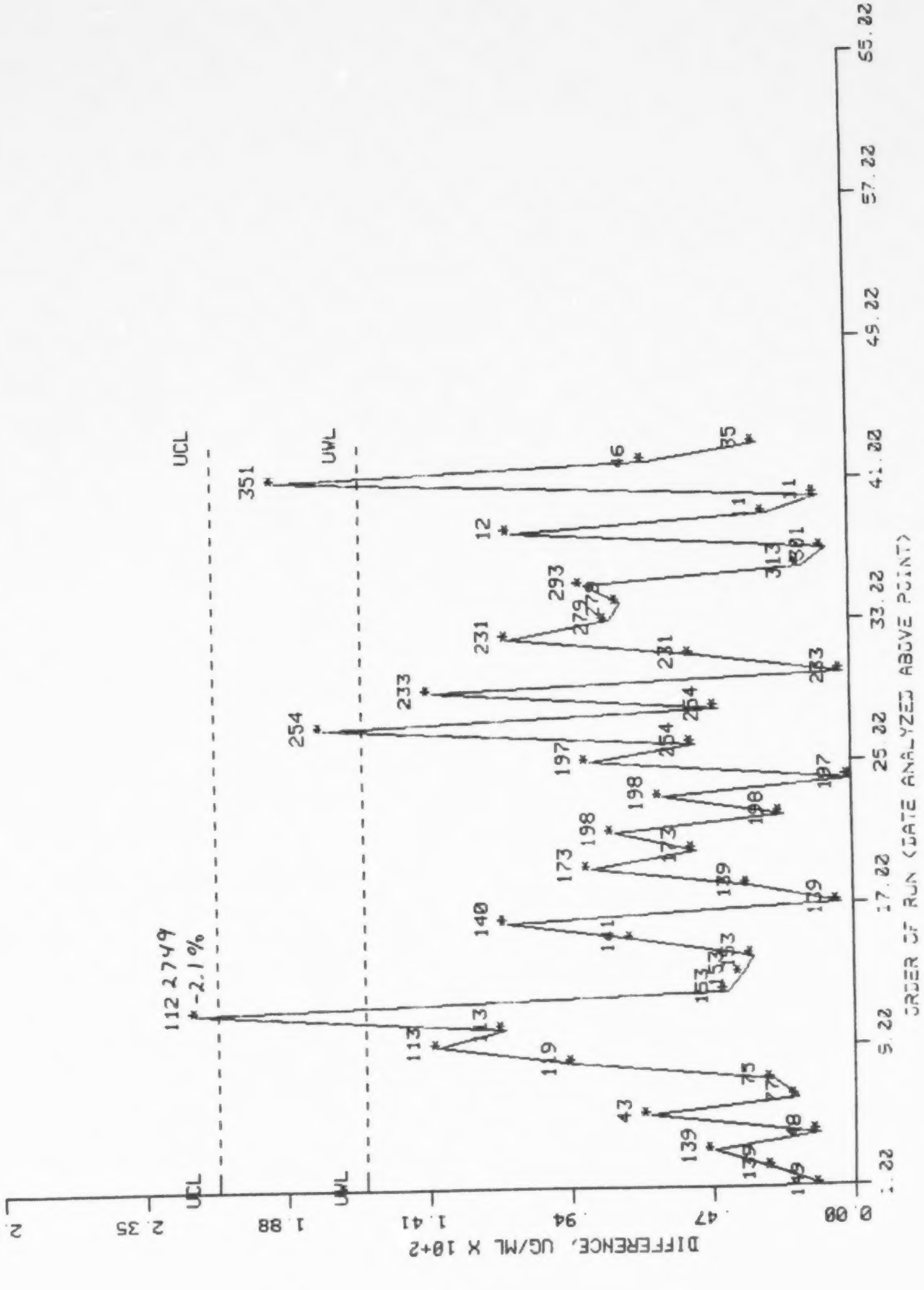
QC BR DUP 0-.99 UG/ML

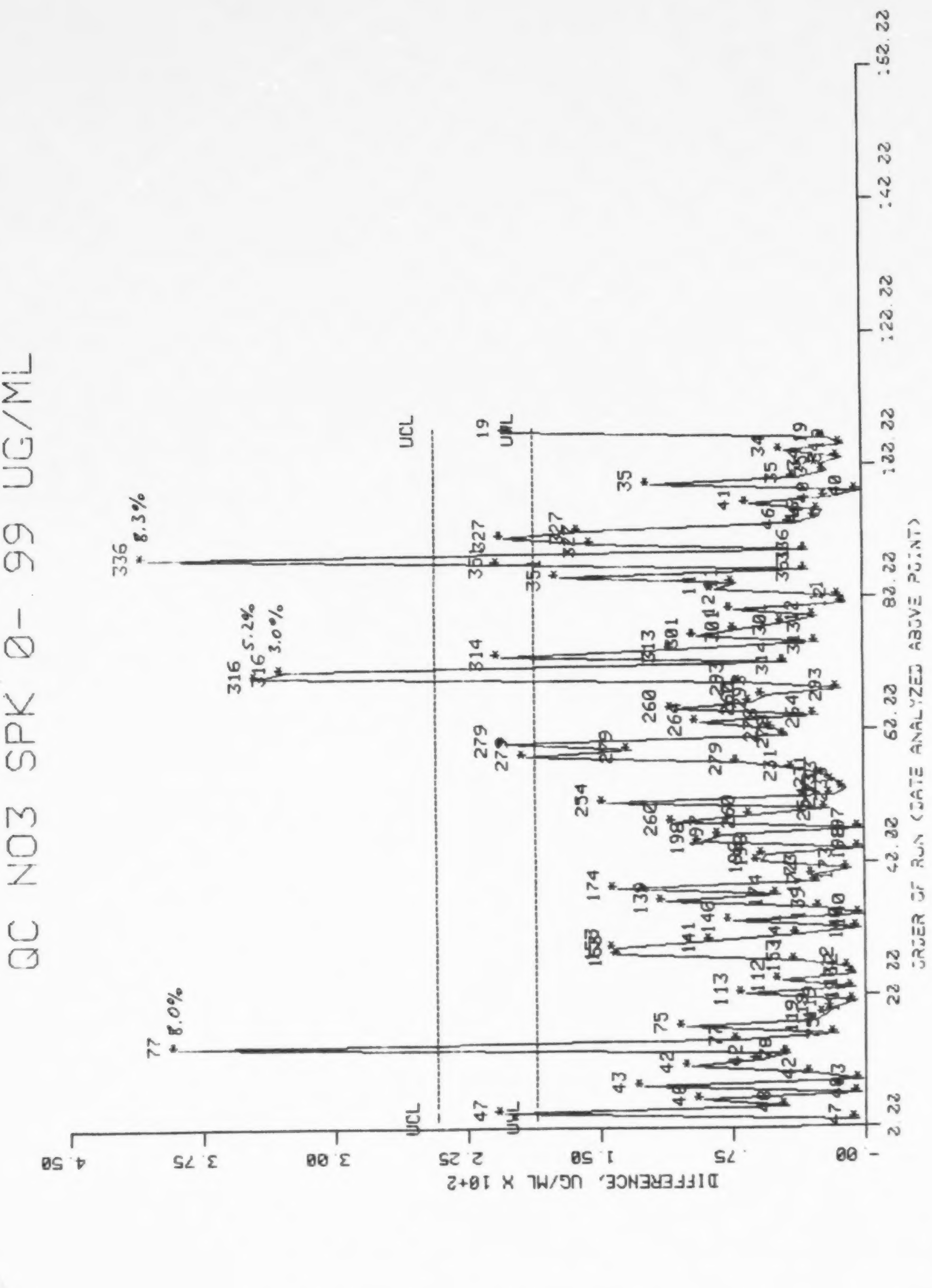


QC NO3 DUP 0-.99 UG/ML



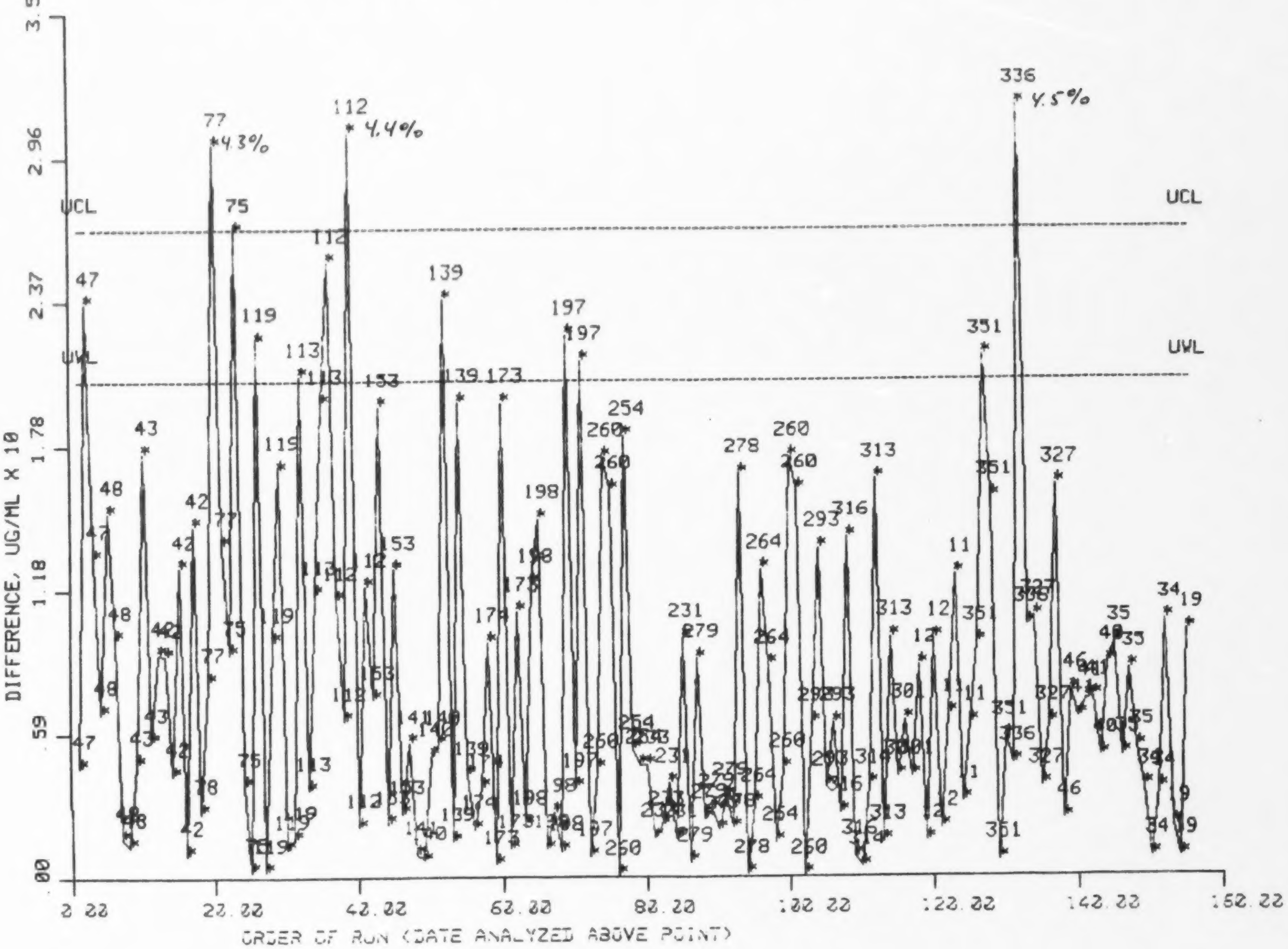
QC NO3 DUP 99-9.84 UG/ML



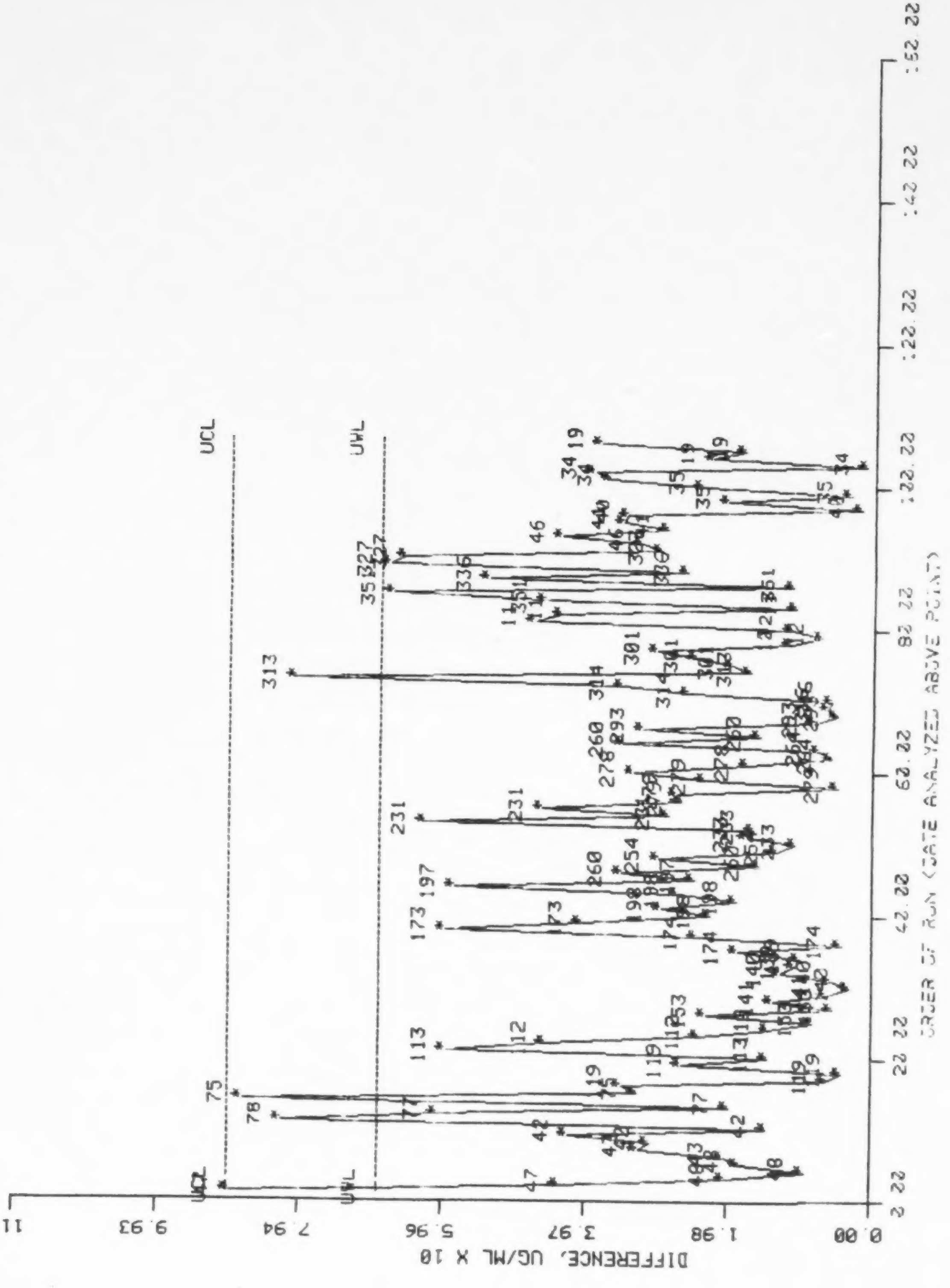


QC NO3 SPK 0- 99 UG/ML

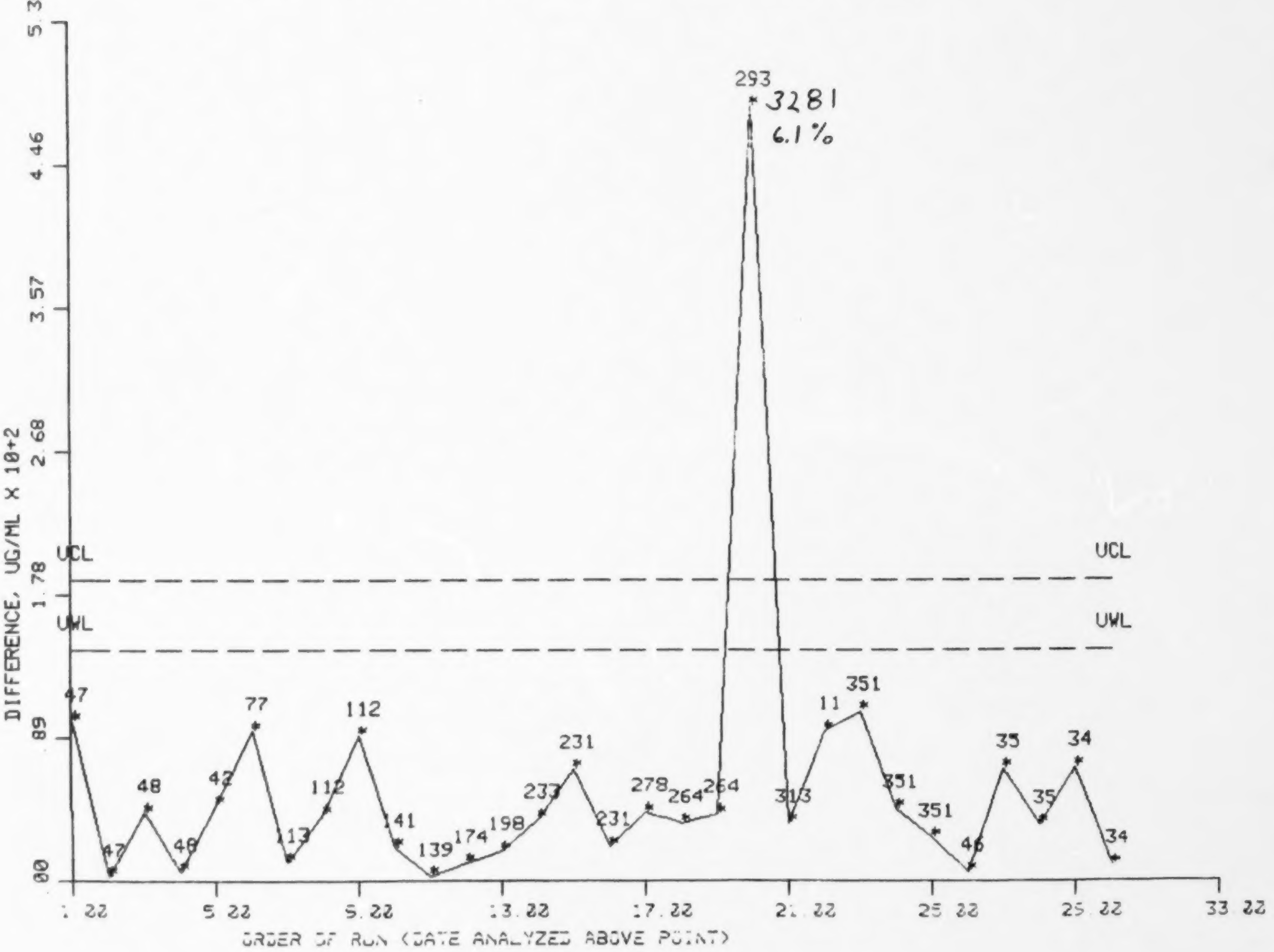
QC NO3 SPK 99-9.84 UG/ML



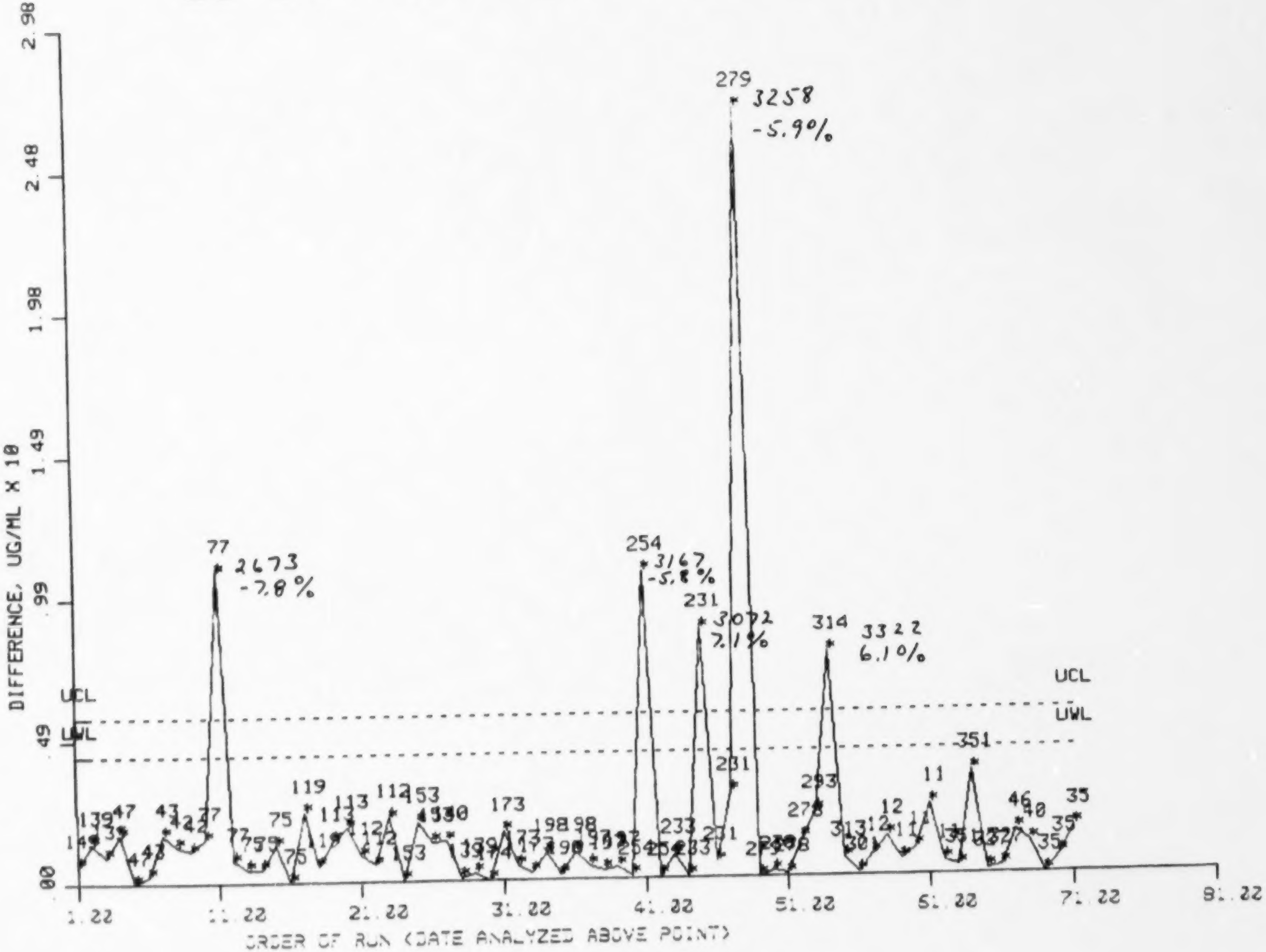
QC NO3 SPK 9 84-56 6 UG/ML



QC SO4 DUP 0-.99 UG/ML



QC SO4 DUP 99-9.84 UG/ML



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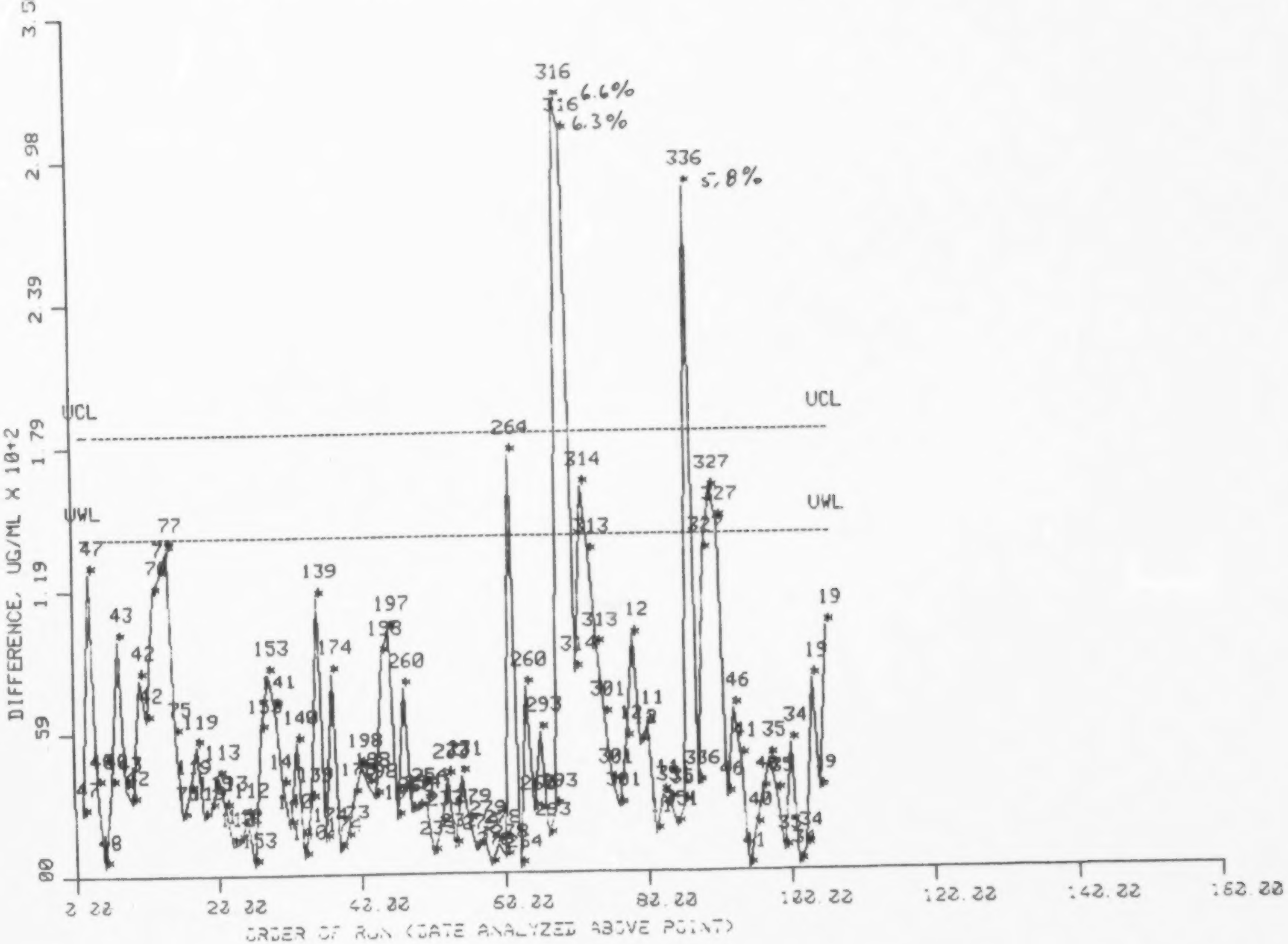
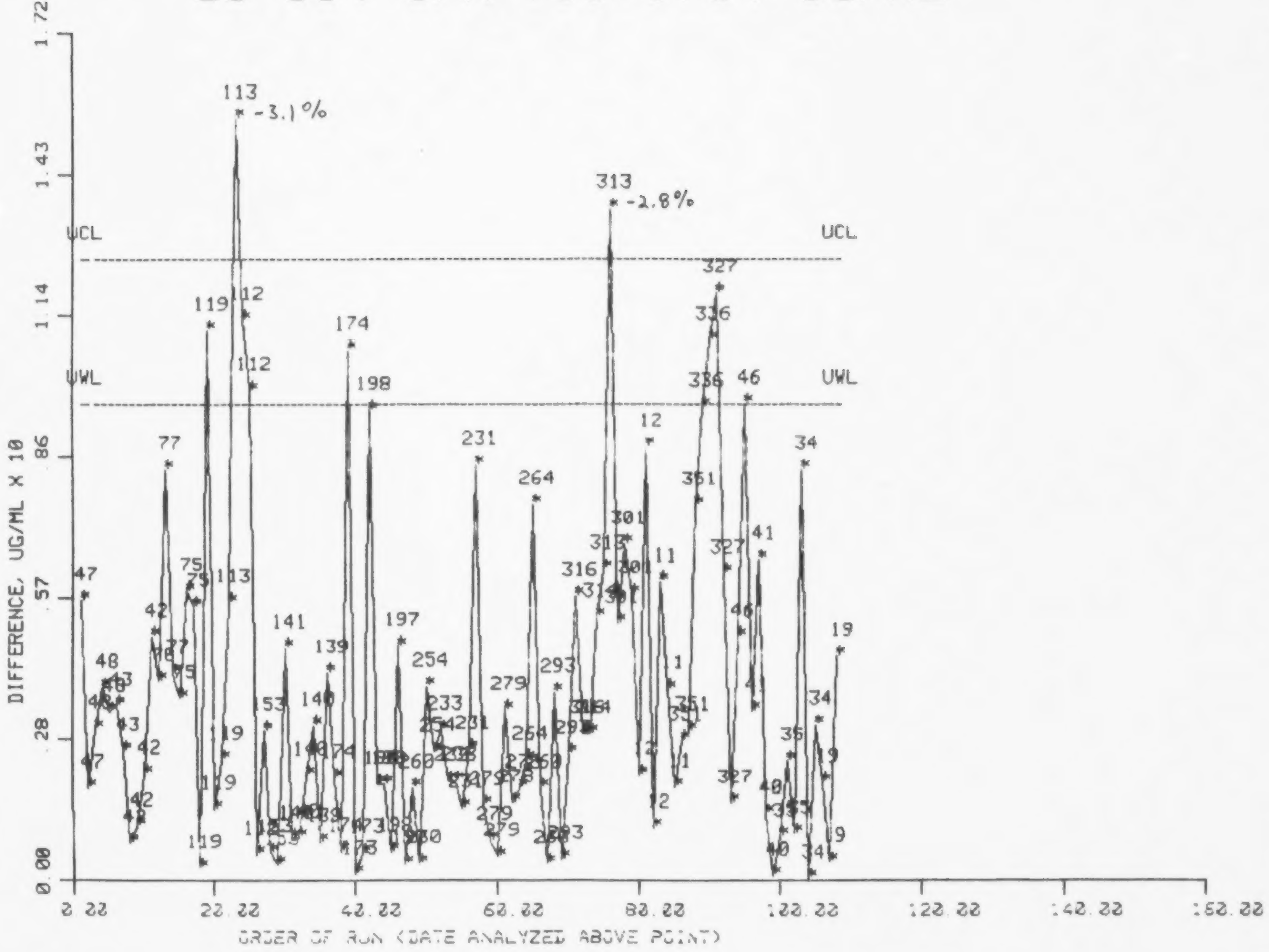
best available copy.

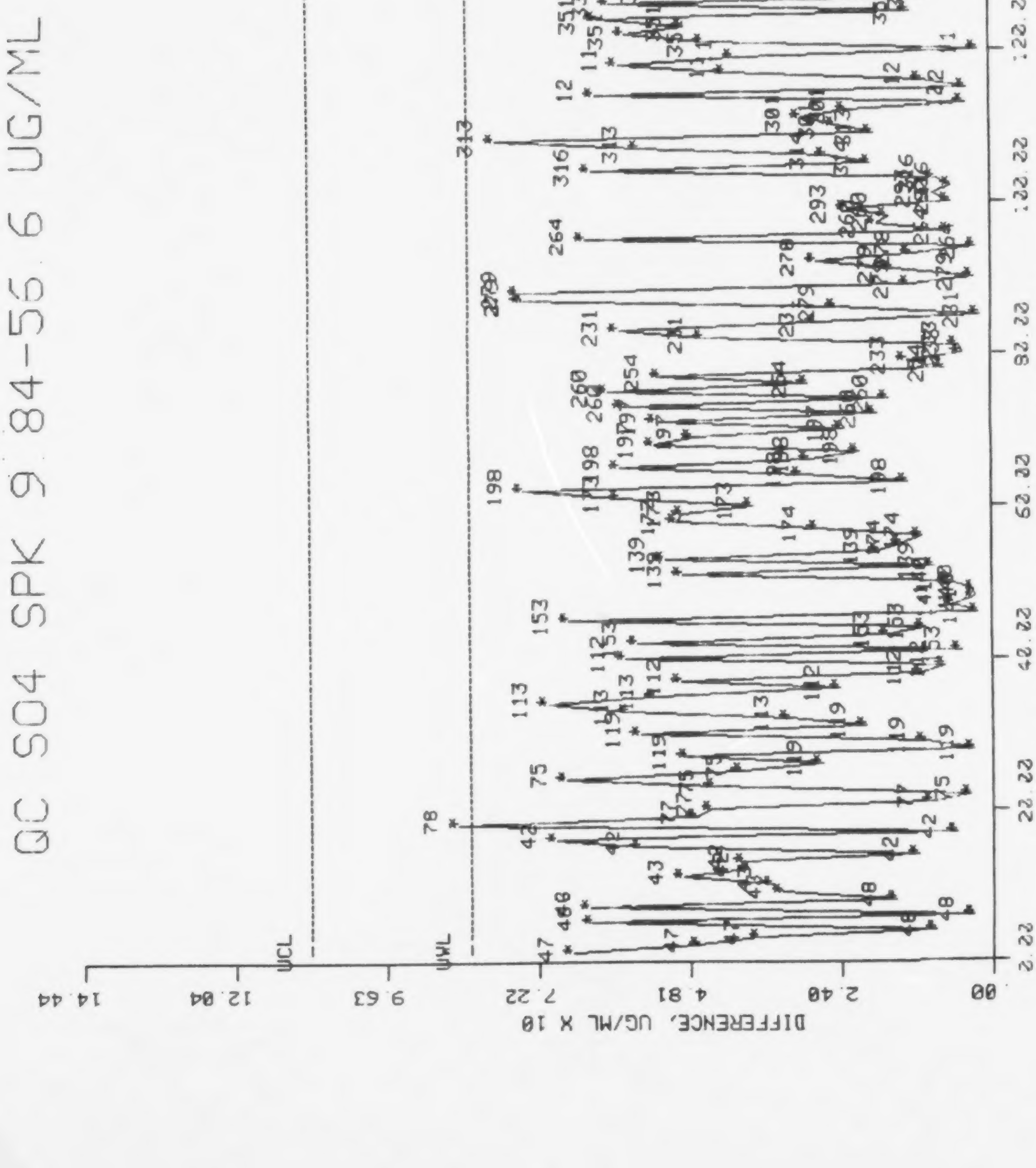
QC SO4 SPK 0- 99 UG/ML



QC SO4 SPK 99-9 84 UG/ML

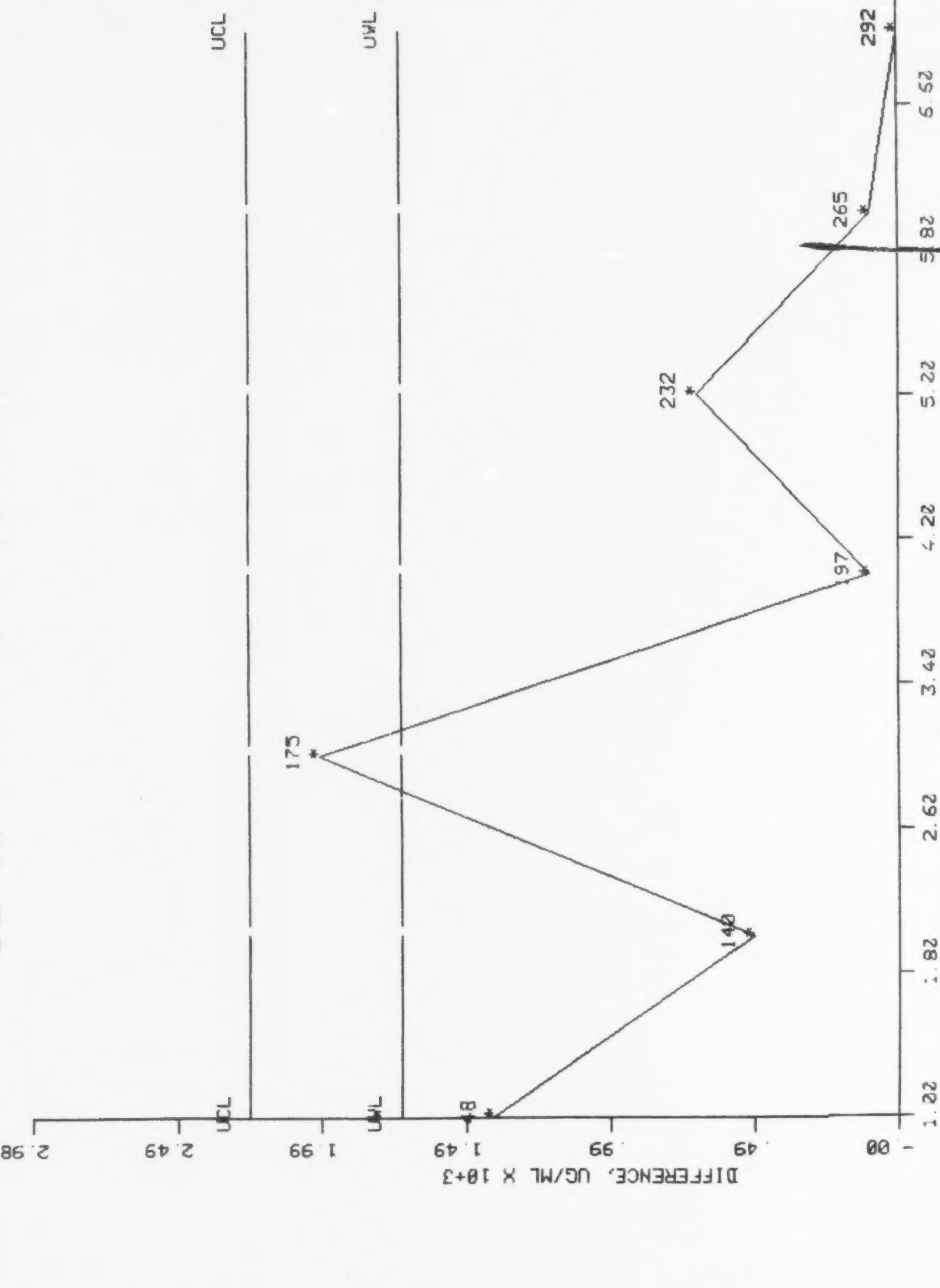


A46

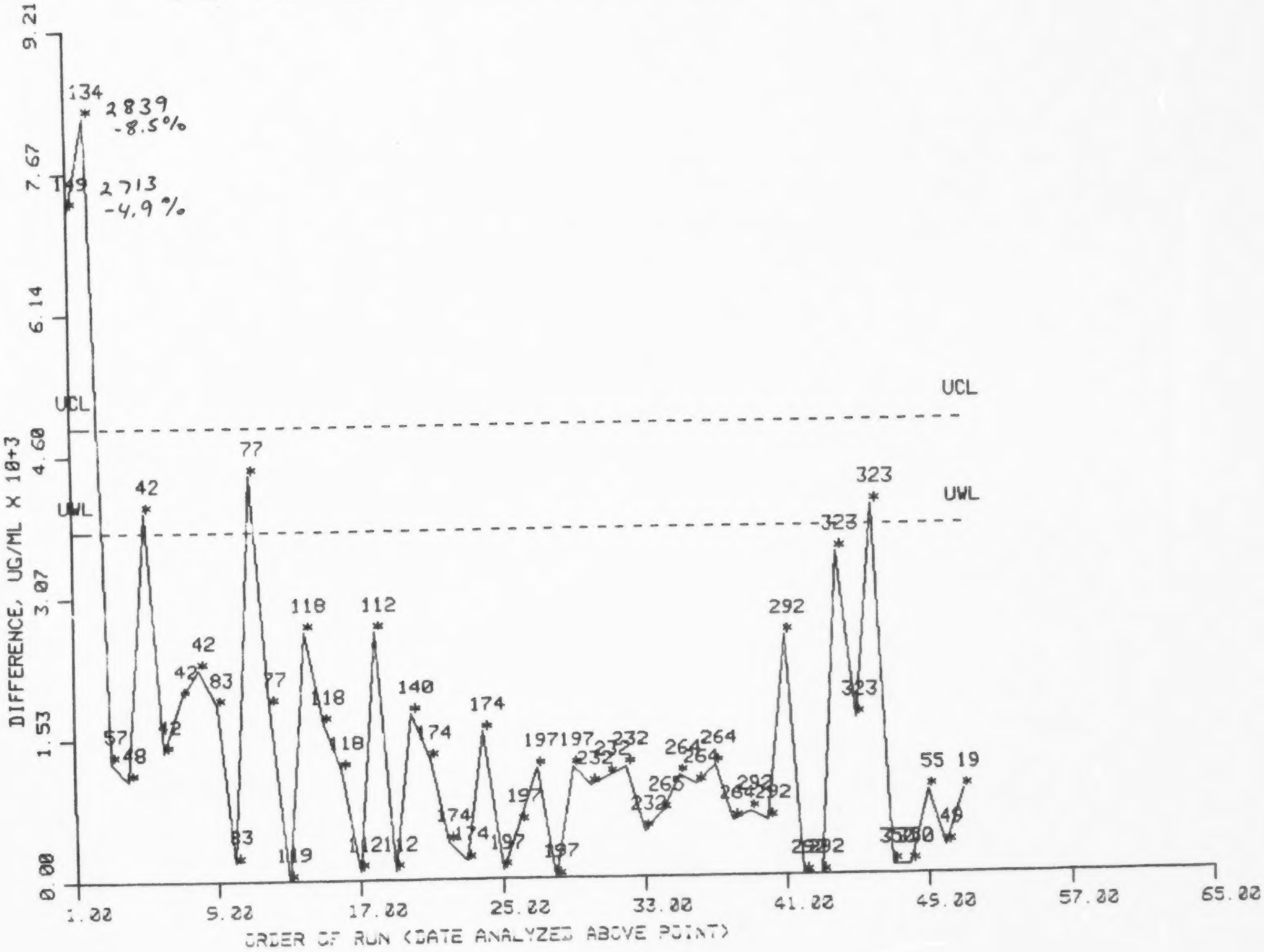


QC SO4 SPK 9 84-55 6 UG/ML

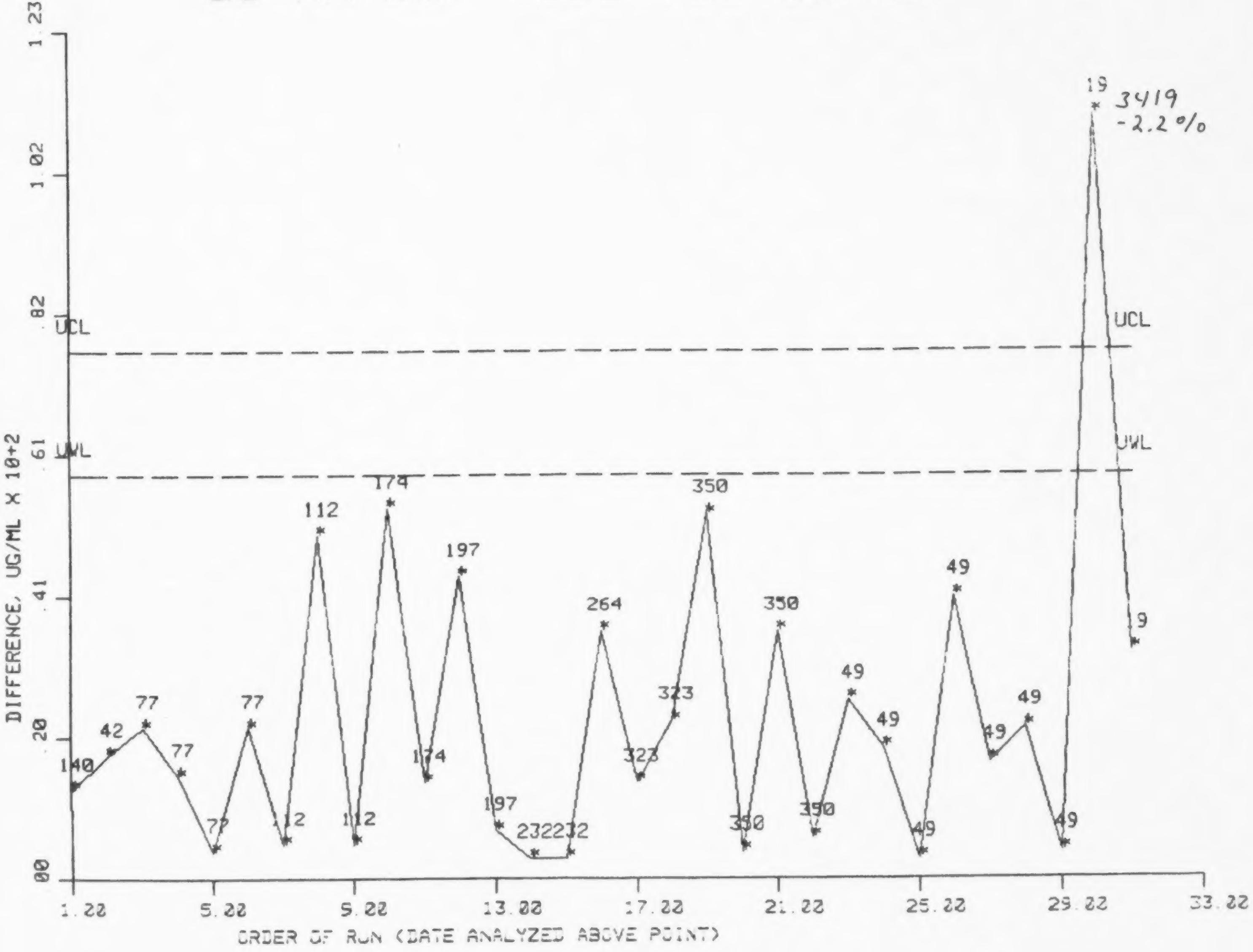
QC NA DUP 0-.0289 UG/ML



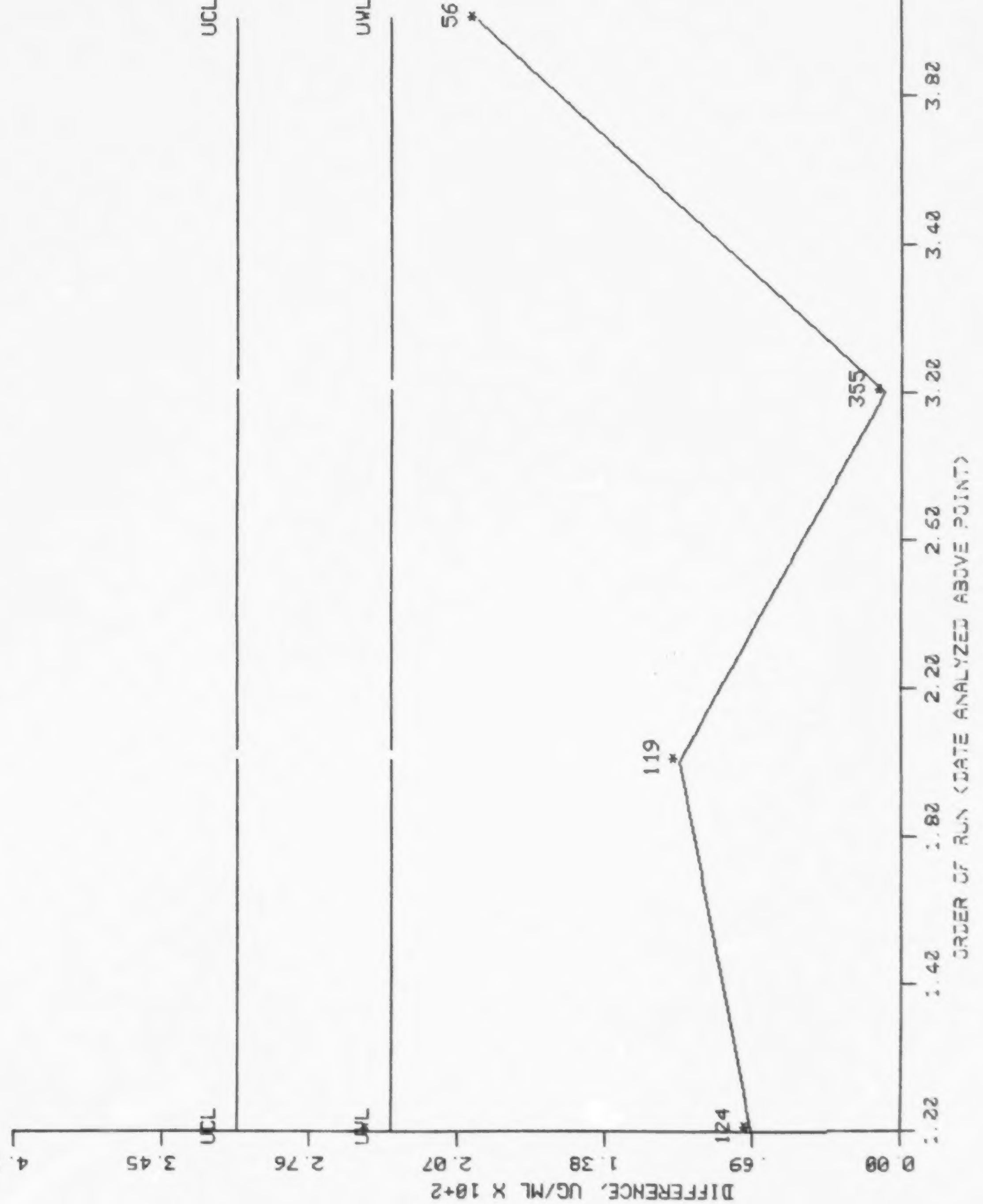
QC NA DUP 0289- 192 UG/ML

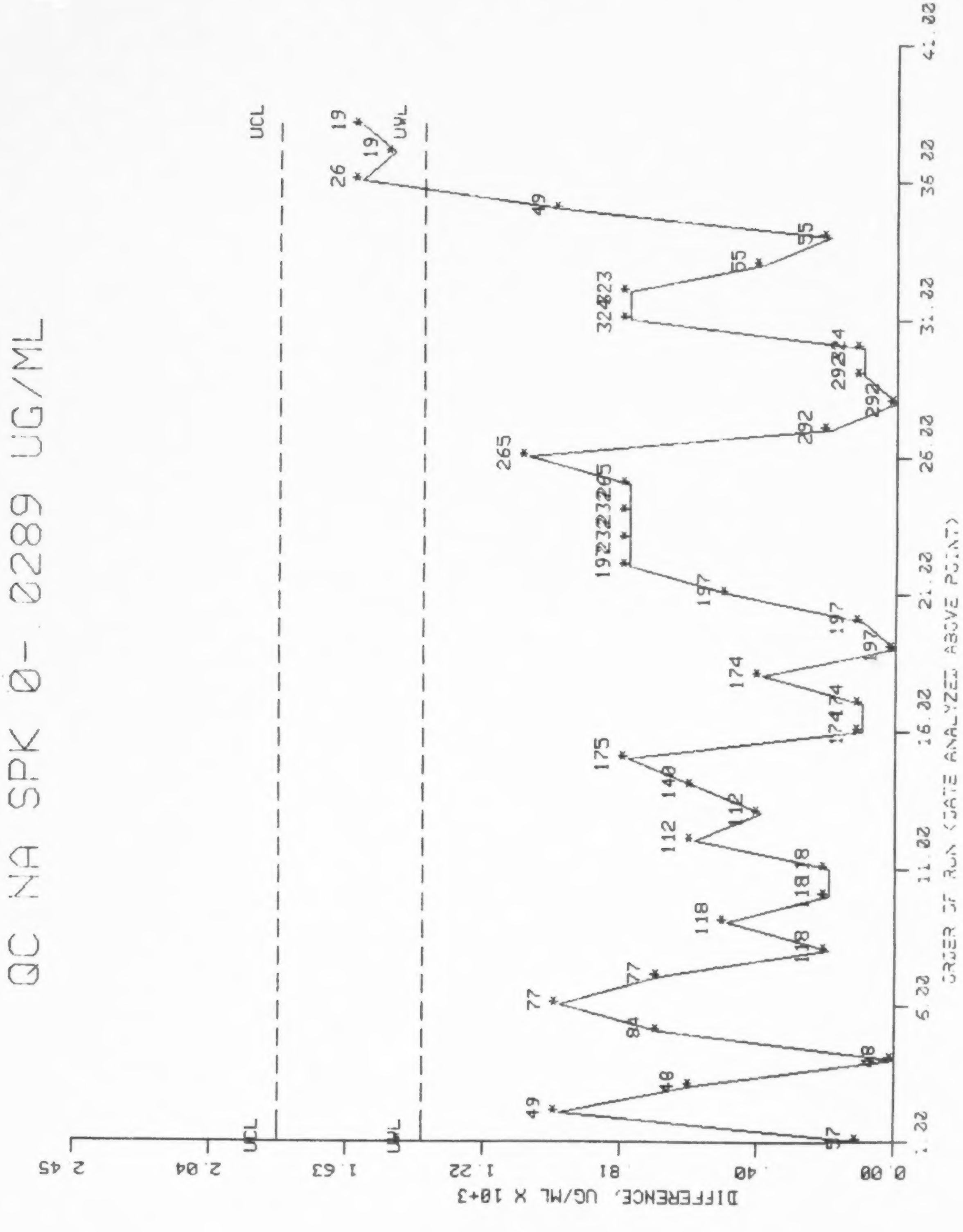


QC NA DUP 192-.96 UG/ML

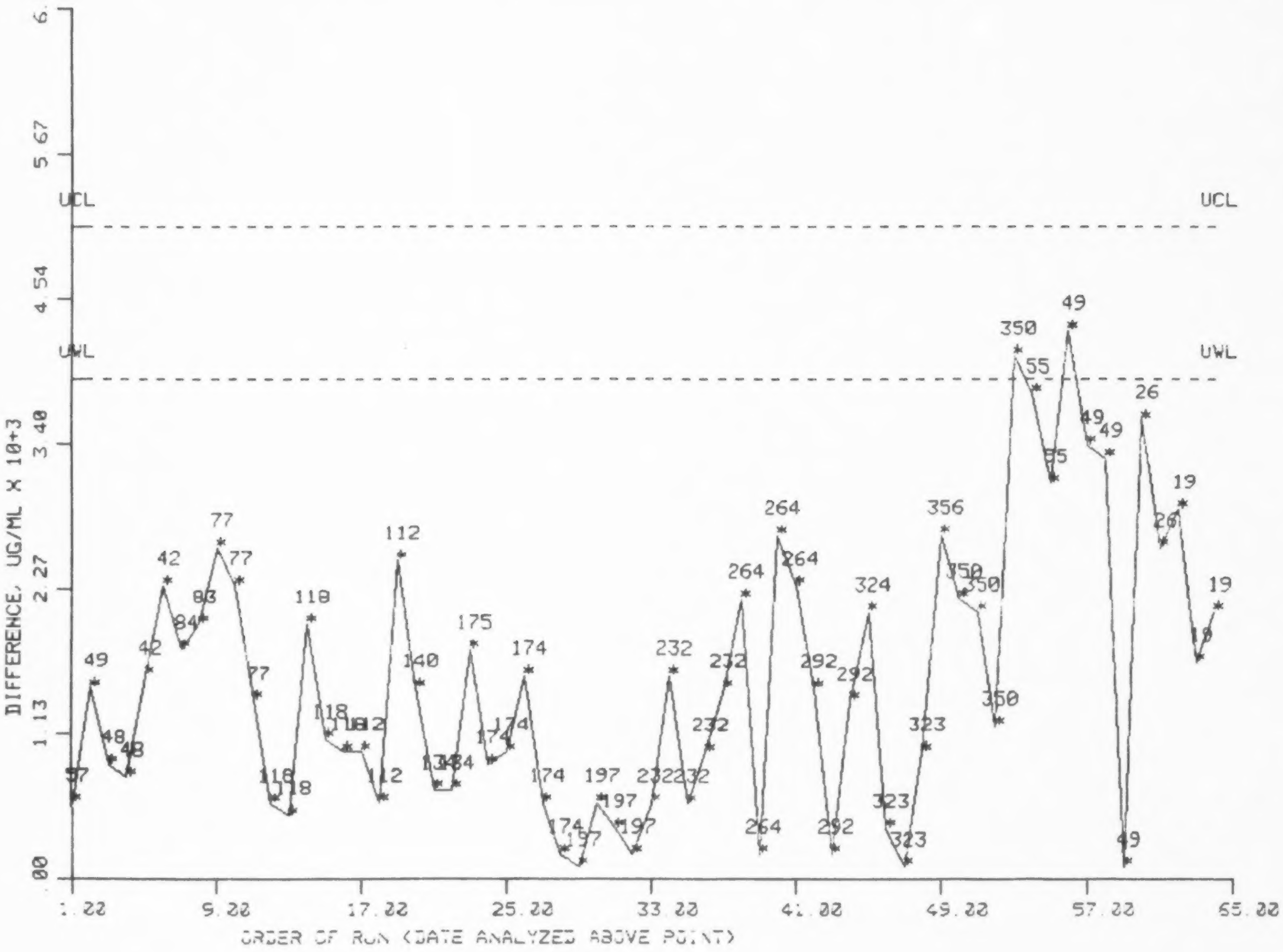


QC NA DUP 96-> 96 UG/ML

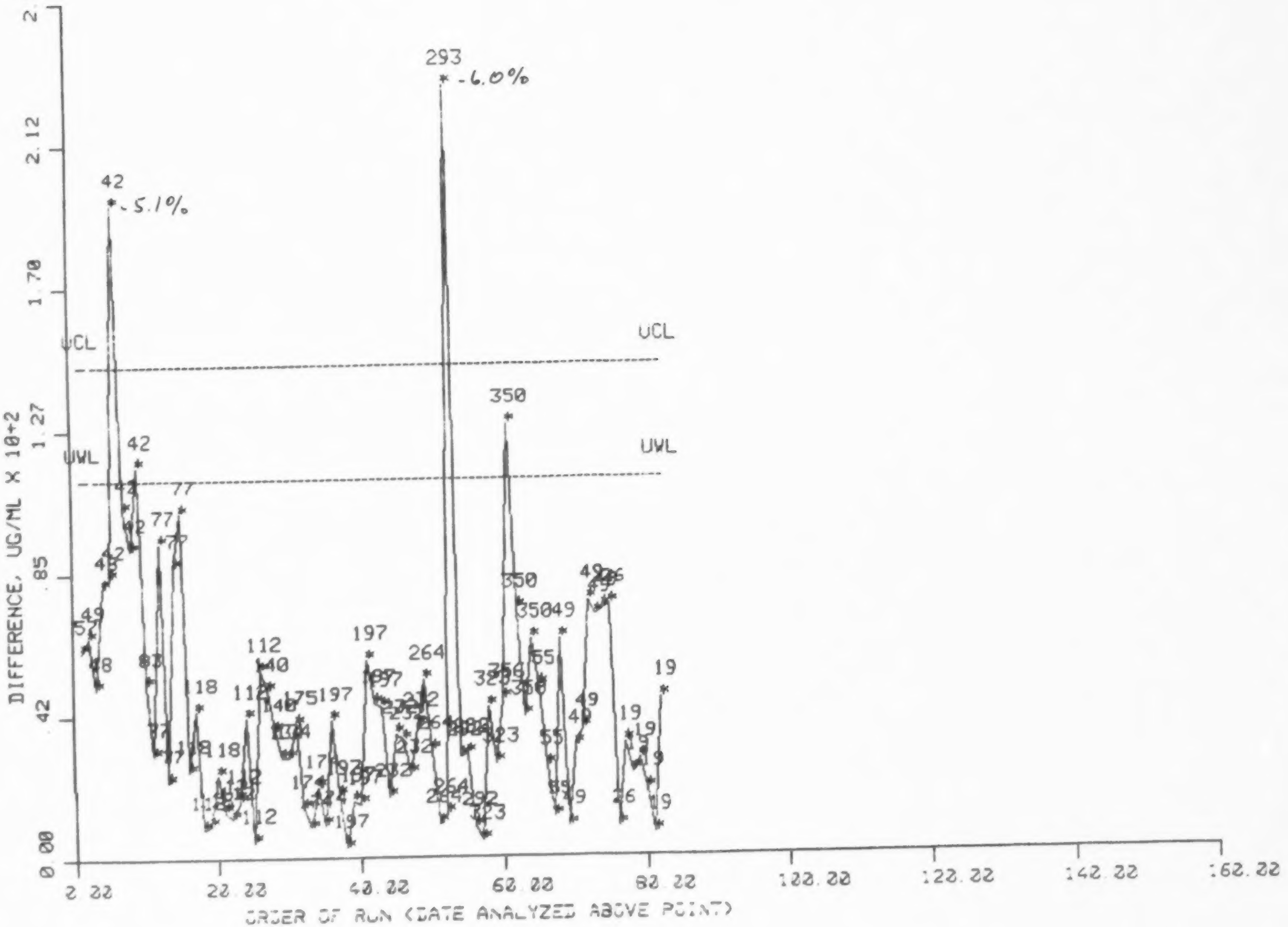



QC NA SPK 0- 0289 UG/ML
UCL
UWL
DIFFERENCE, UG/ML X 10+3
0.00
.40
.81
1.22
1.63
2.04
2.45
ORDER OF RUN (DATE ANALYZED ABOVE POINT)
1.00
6.00
11.00
16.00
21.00
26.00
31.00
36.00
41.00
97
49
48
48
84
77
77
118
118
118
118
112
112
140
175
174
174
174
197
197
197
197
232
232
232
265
265
292
292
292
324
324
323
55
55
49
26
19
19

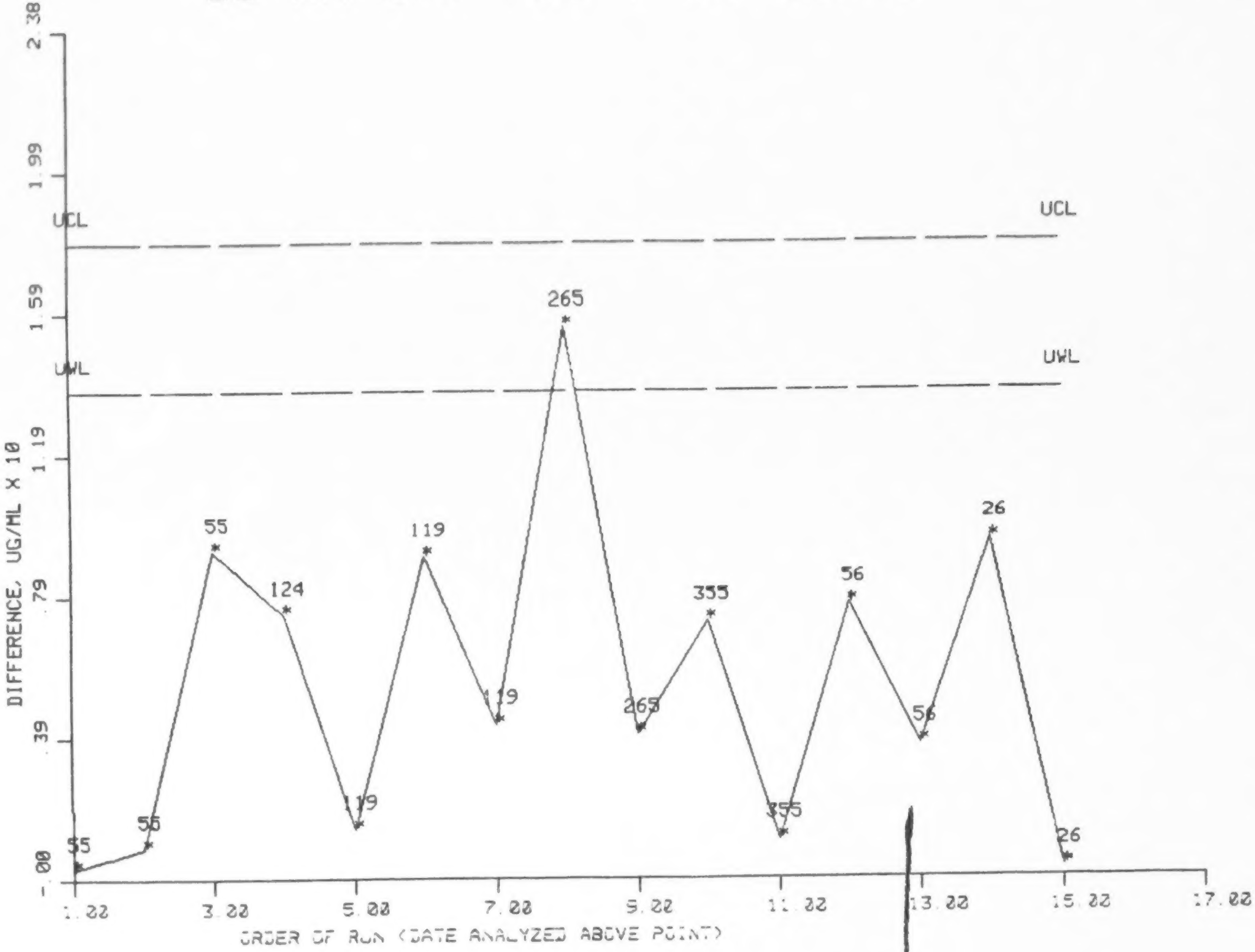
QC NA SPK 0289- 192 UG/ML



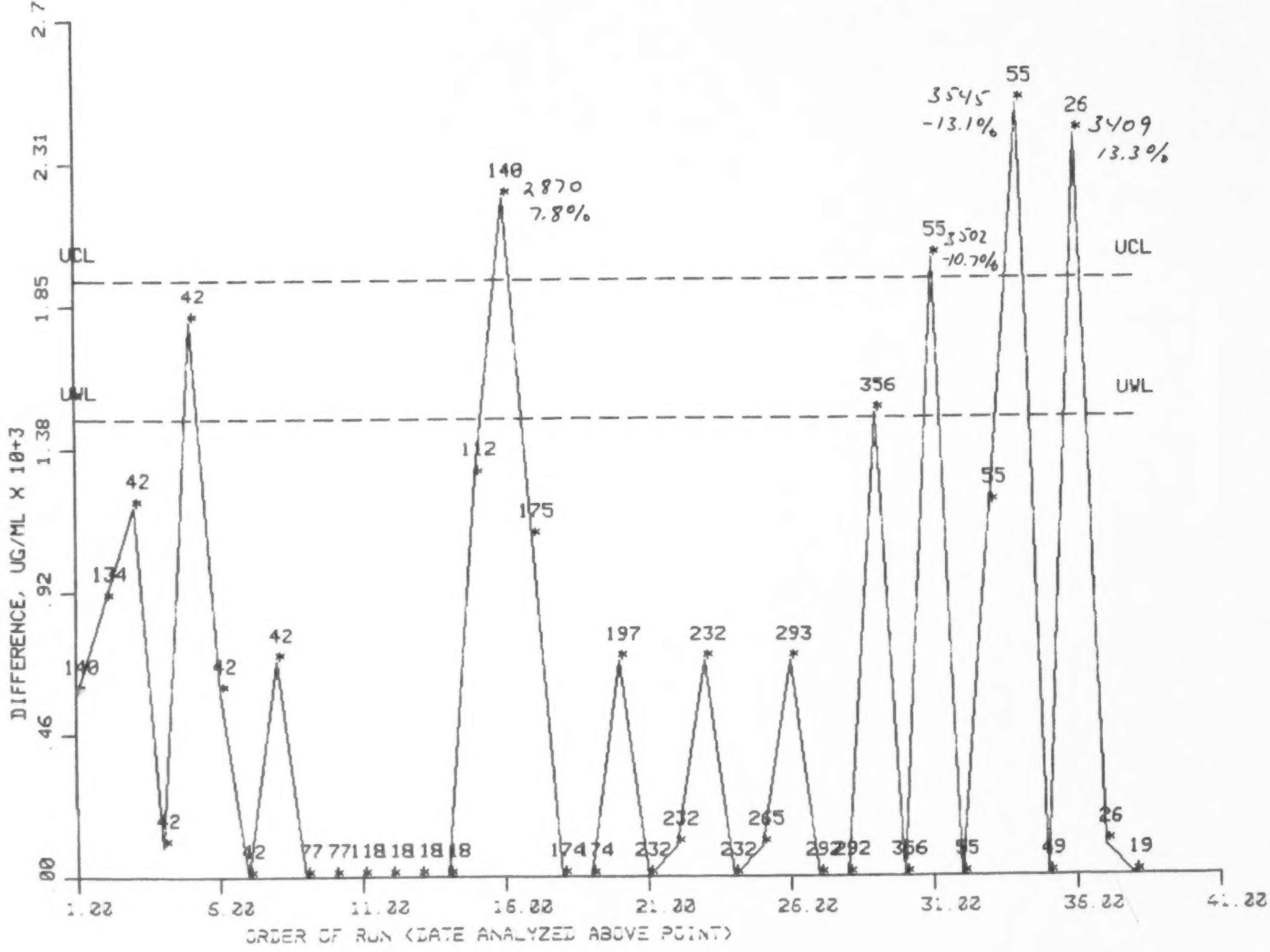
QC NA SPK 192- 96 UG/ML



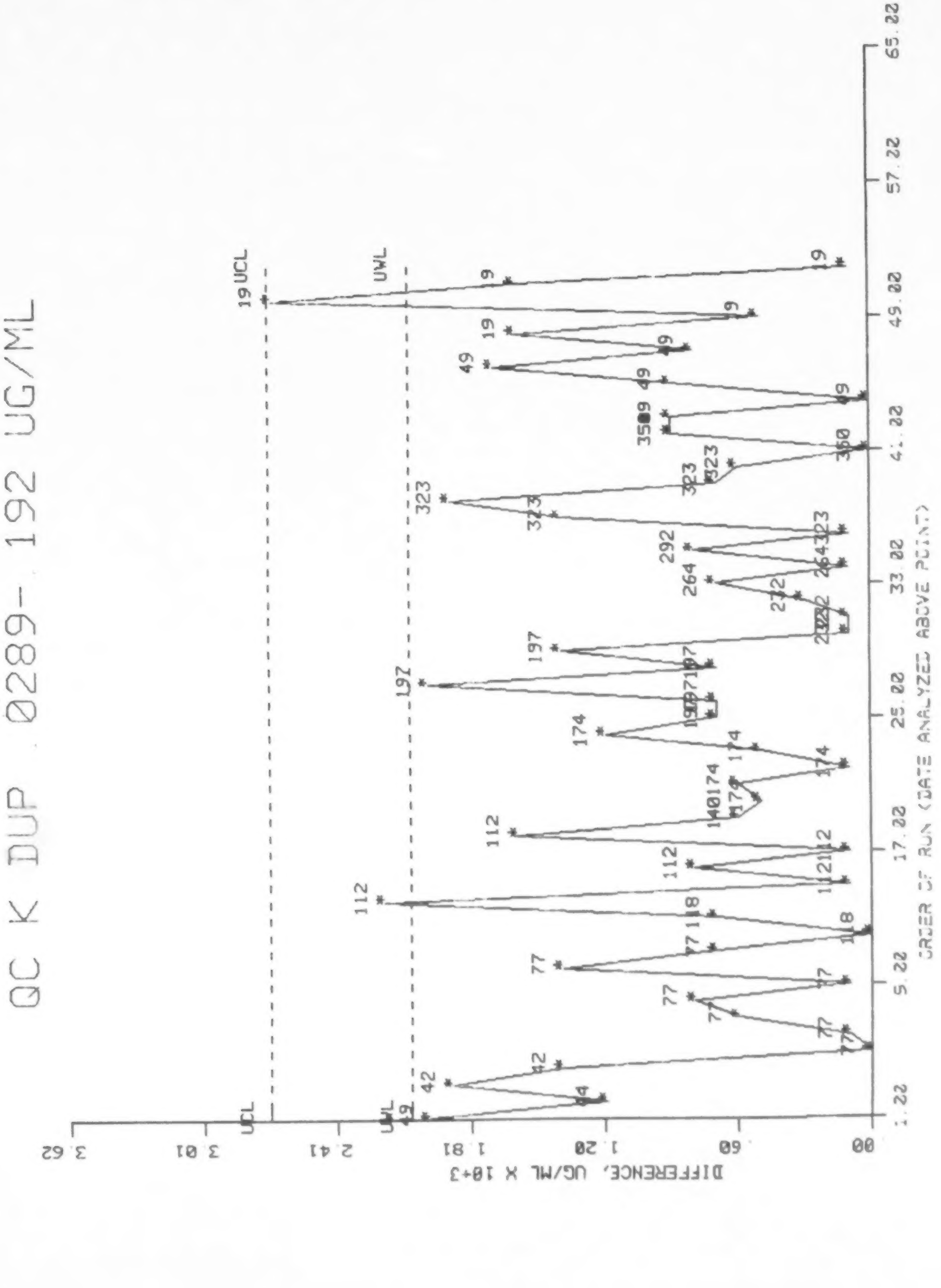
QC NA SPK 96-> 96 UG/ML



QC K DUP 0- .0289 UG/ML

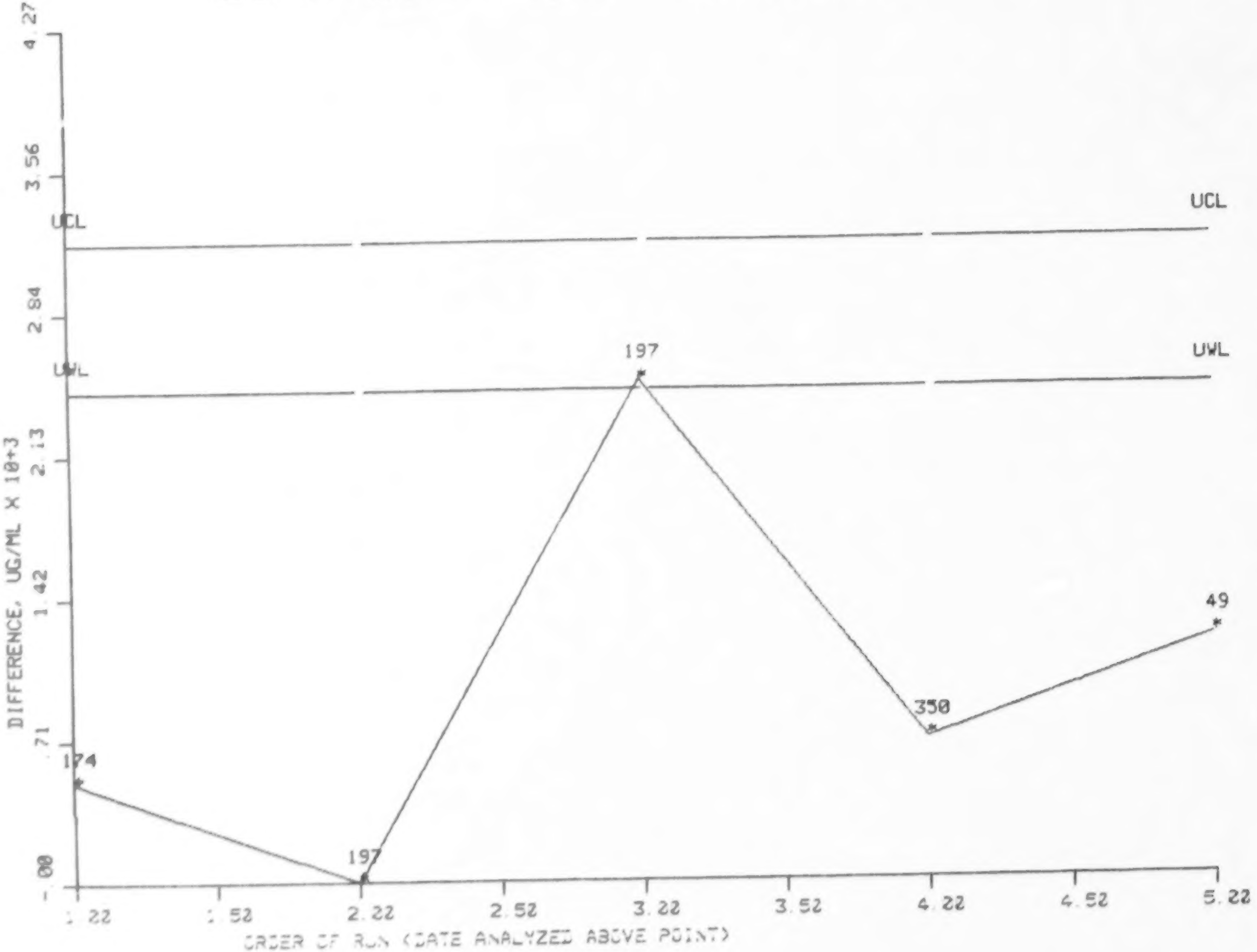


A56

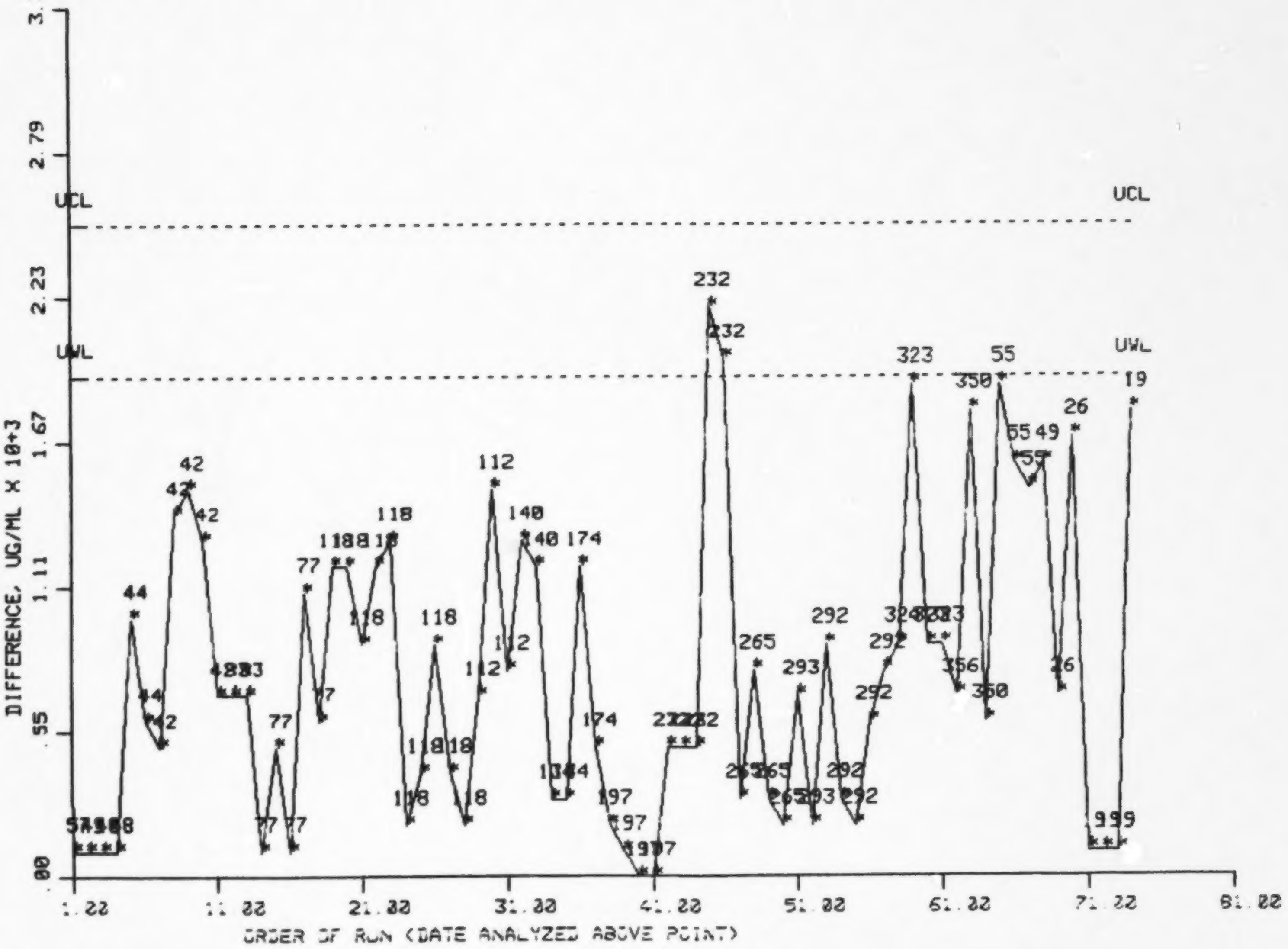


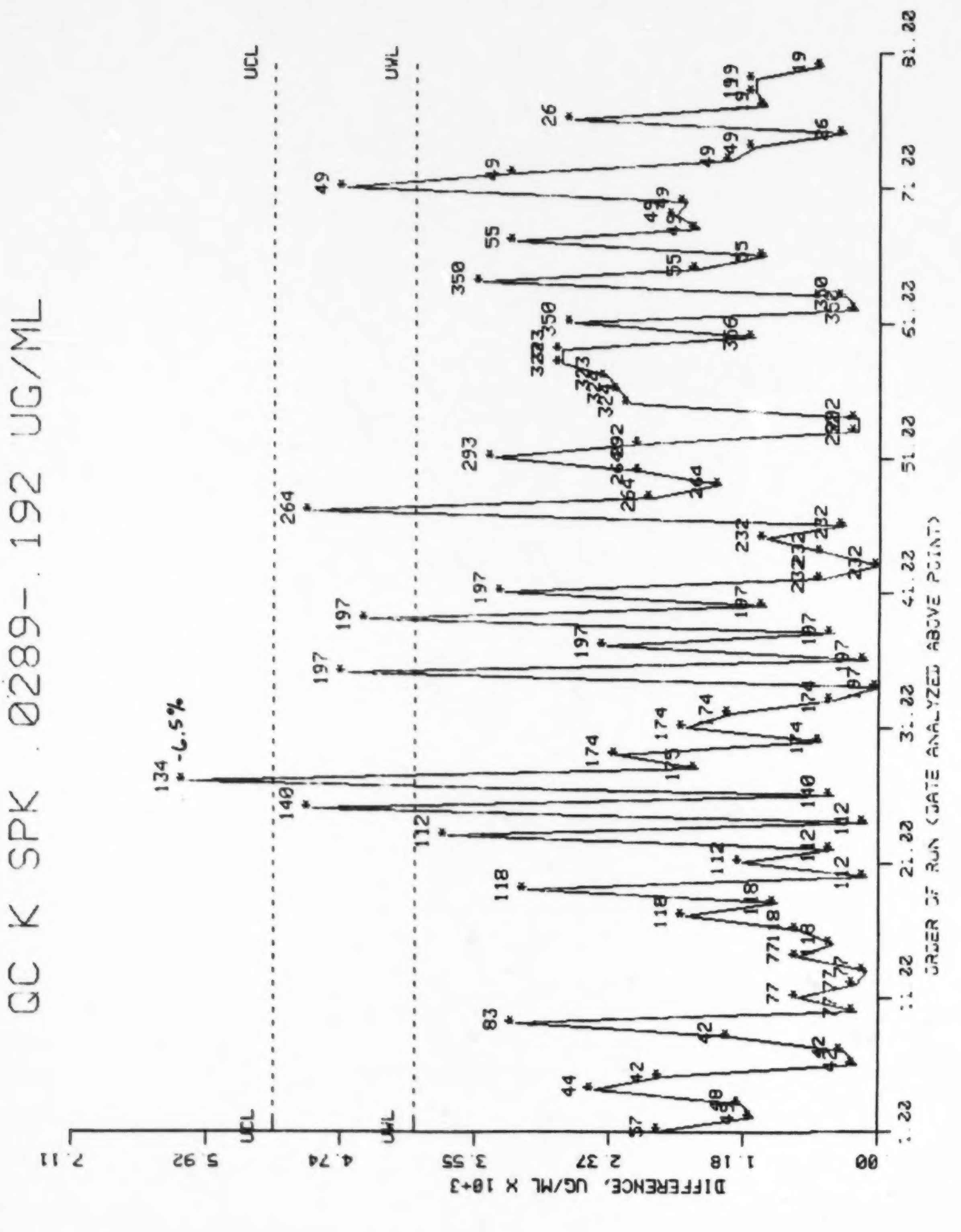
QC K DUP 0289- 192 UG/ML

QC K DUP .192-.96 UG/ML

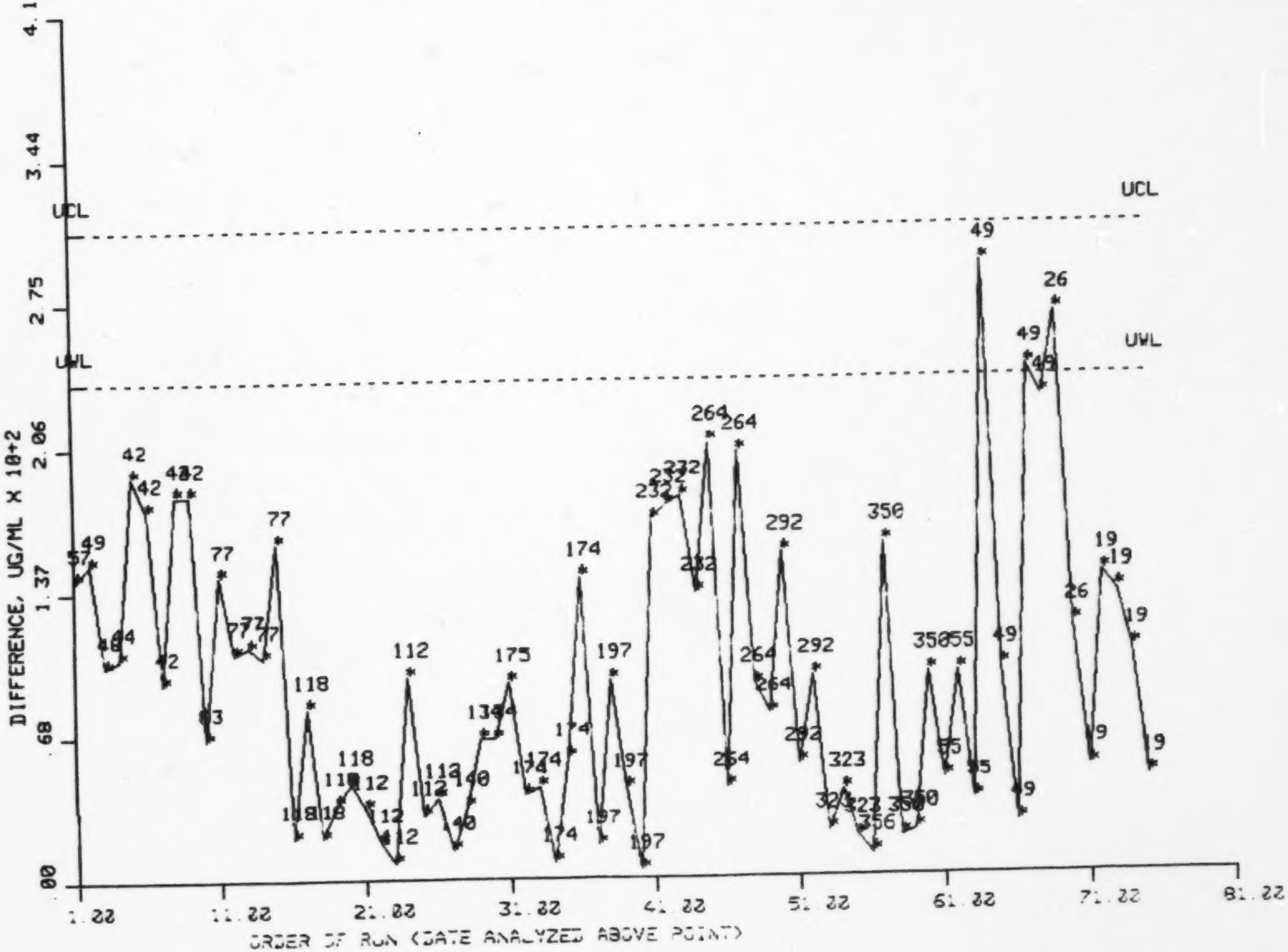


QC K SPK 0- .0289 UG/ML

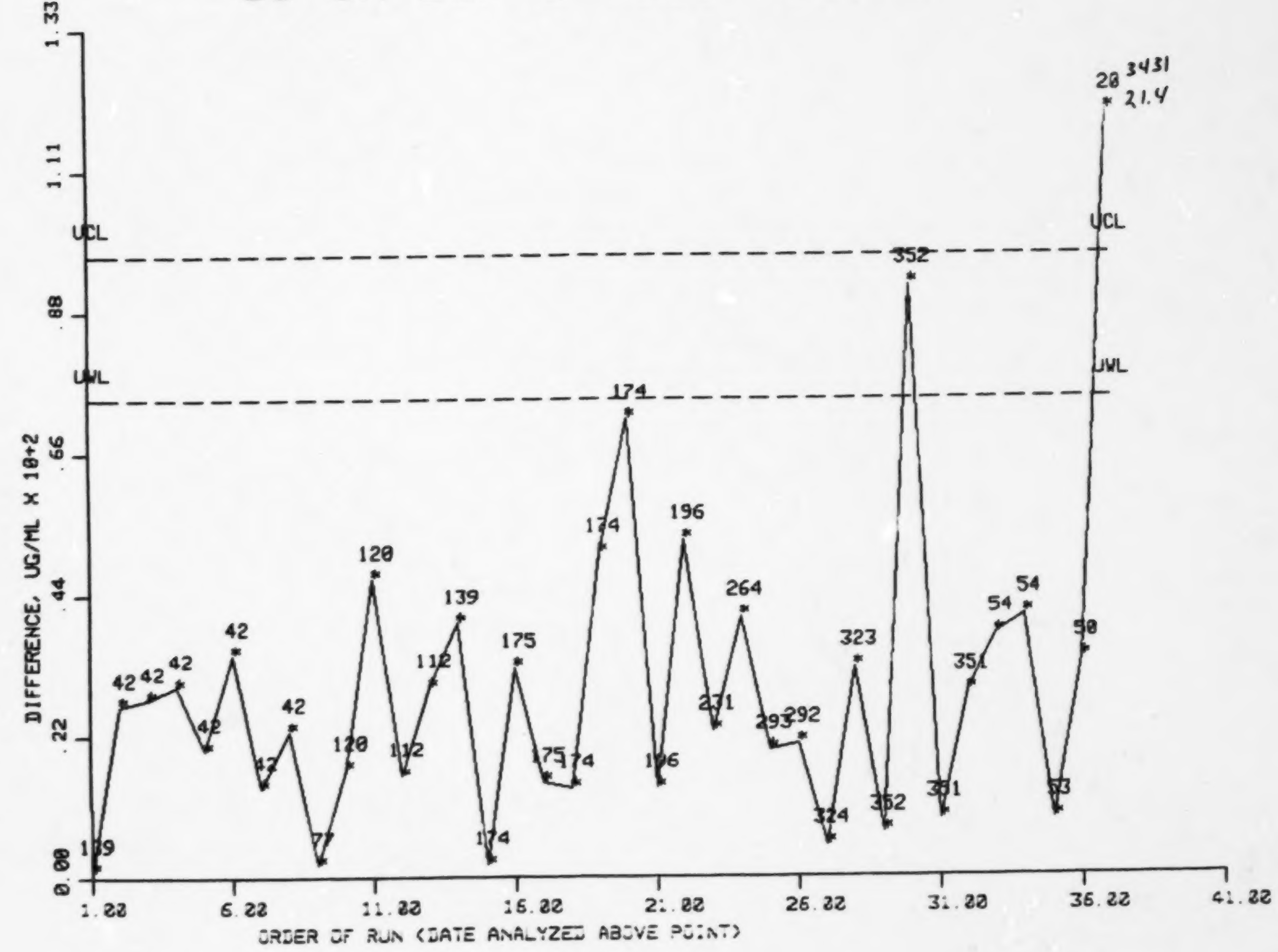



GC K SPK 0289- 192 UG/ML
DIFFERENCE, UG/ML X 10+3
7.11
5.92
4.74
3.55
2.37
1.18
00
UCL
UWL
ORDER OF RUN (DATE ANALYZED ABOVE POINT)
1.00
11.00
21.00
31.00
41.00
51.00
61.00
71.00
81.00
-6.5%
57
49
44
42
83
77
118
112
140
134
174
197
232
264
293
292
323
350
300
55
49
26
19

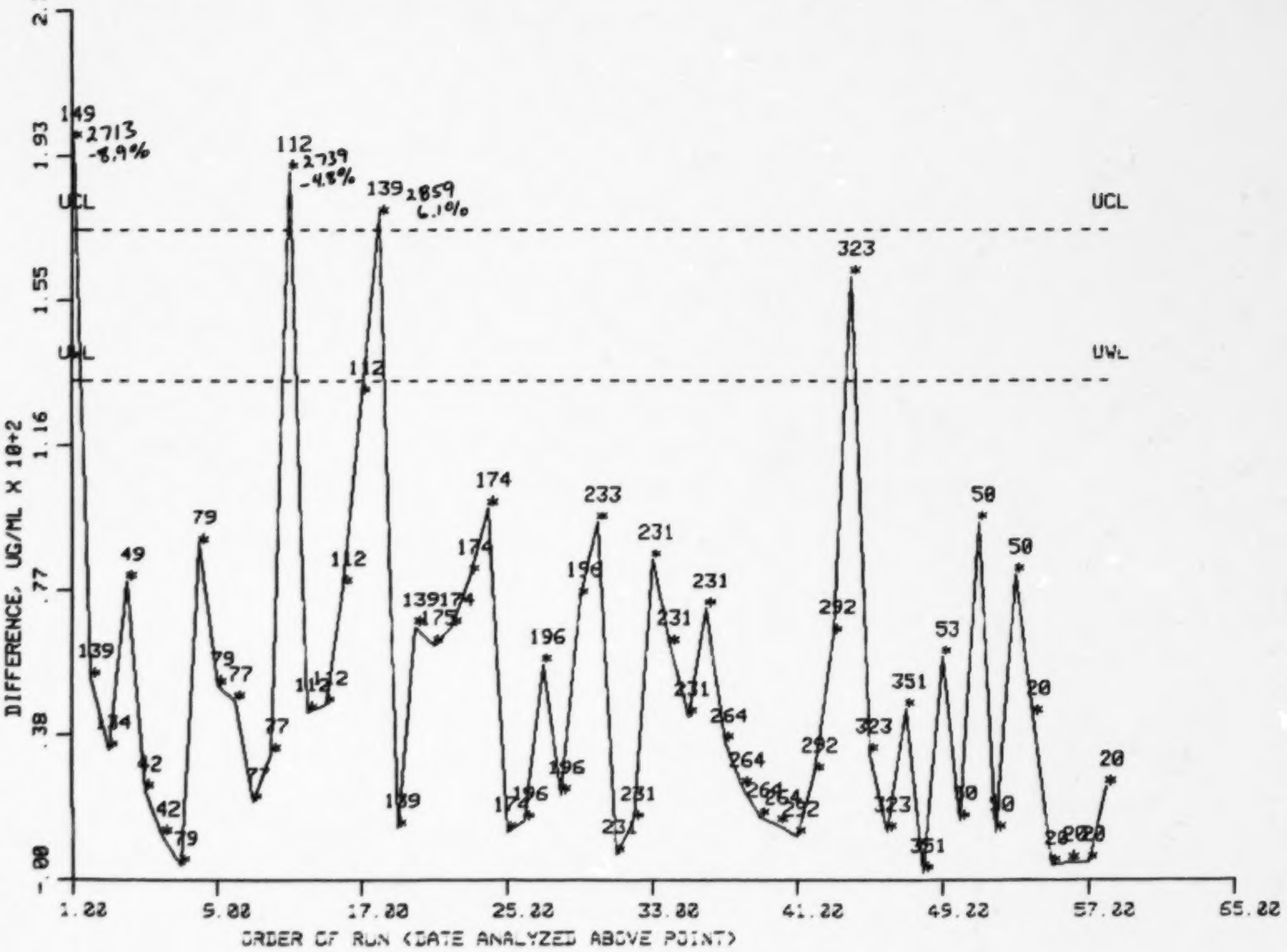
QC K SPK 192- 96 UG/ML



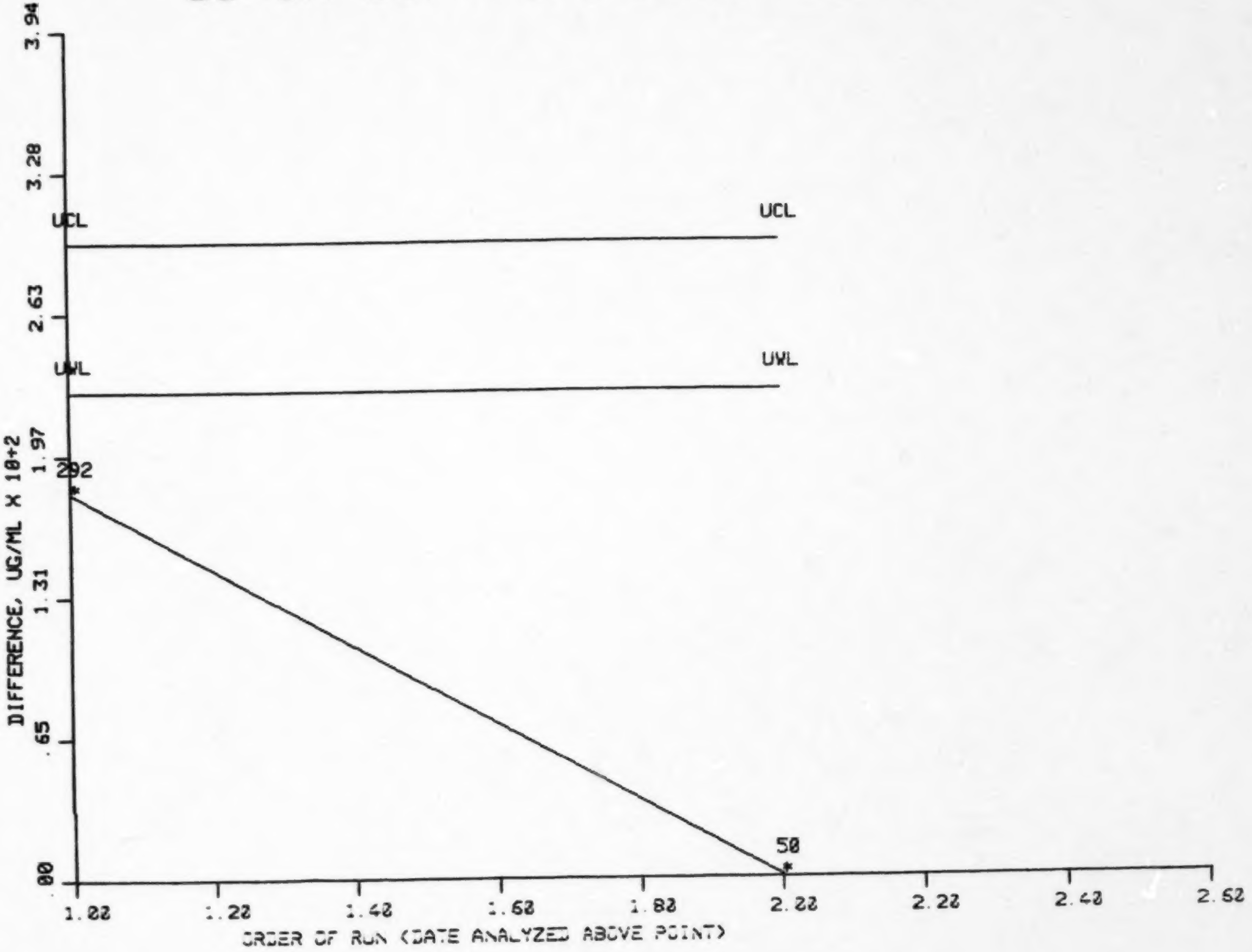
QC CA DUP 0-.0867 UG/ML

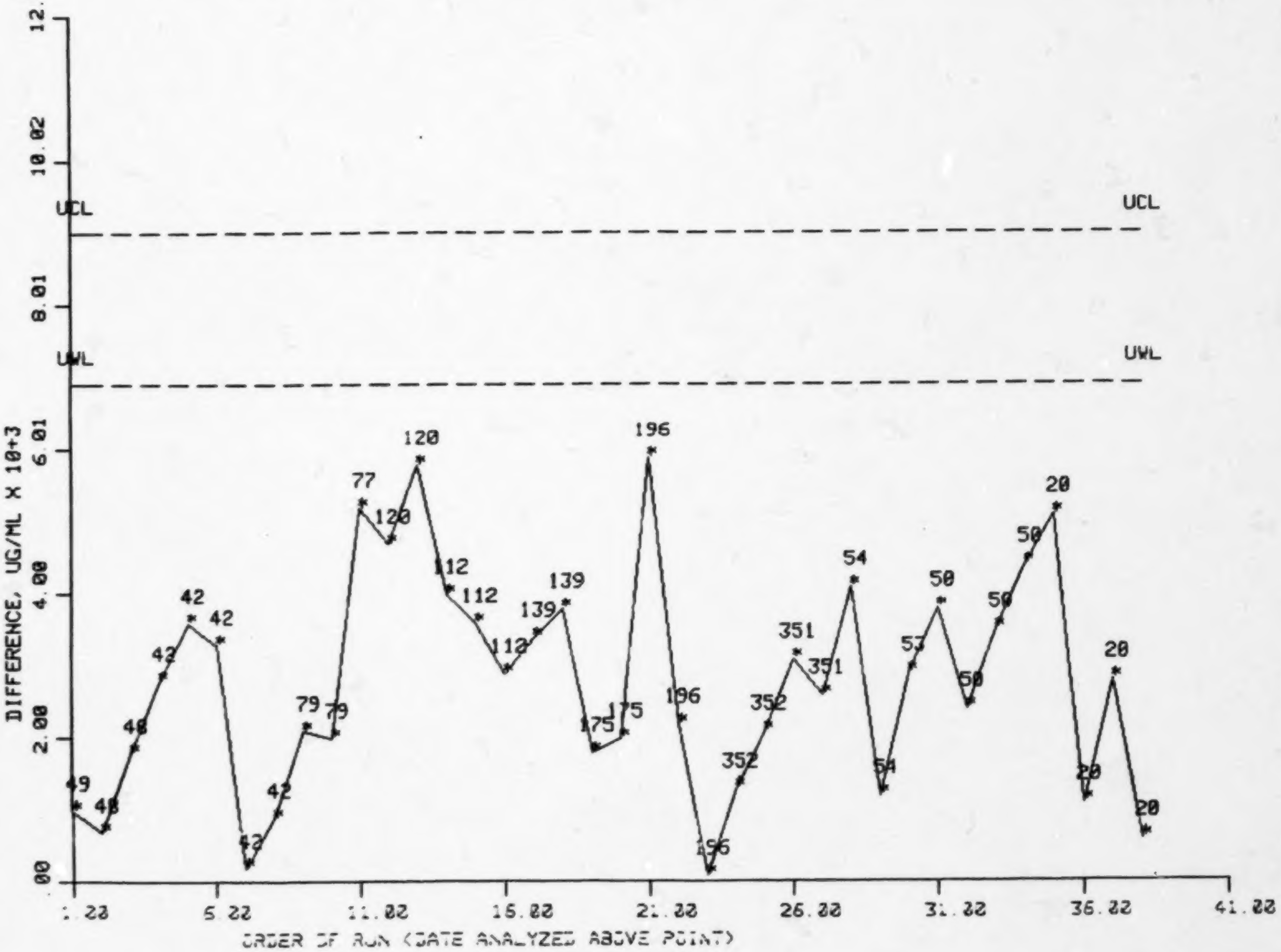


QC CA DUP .0867- .576 UG/ML

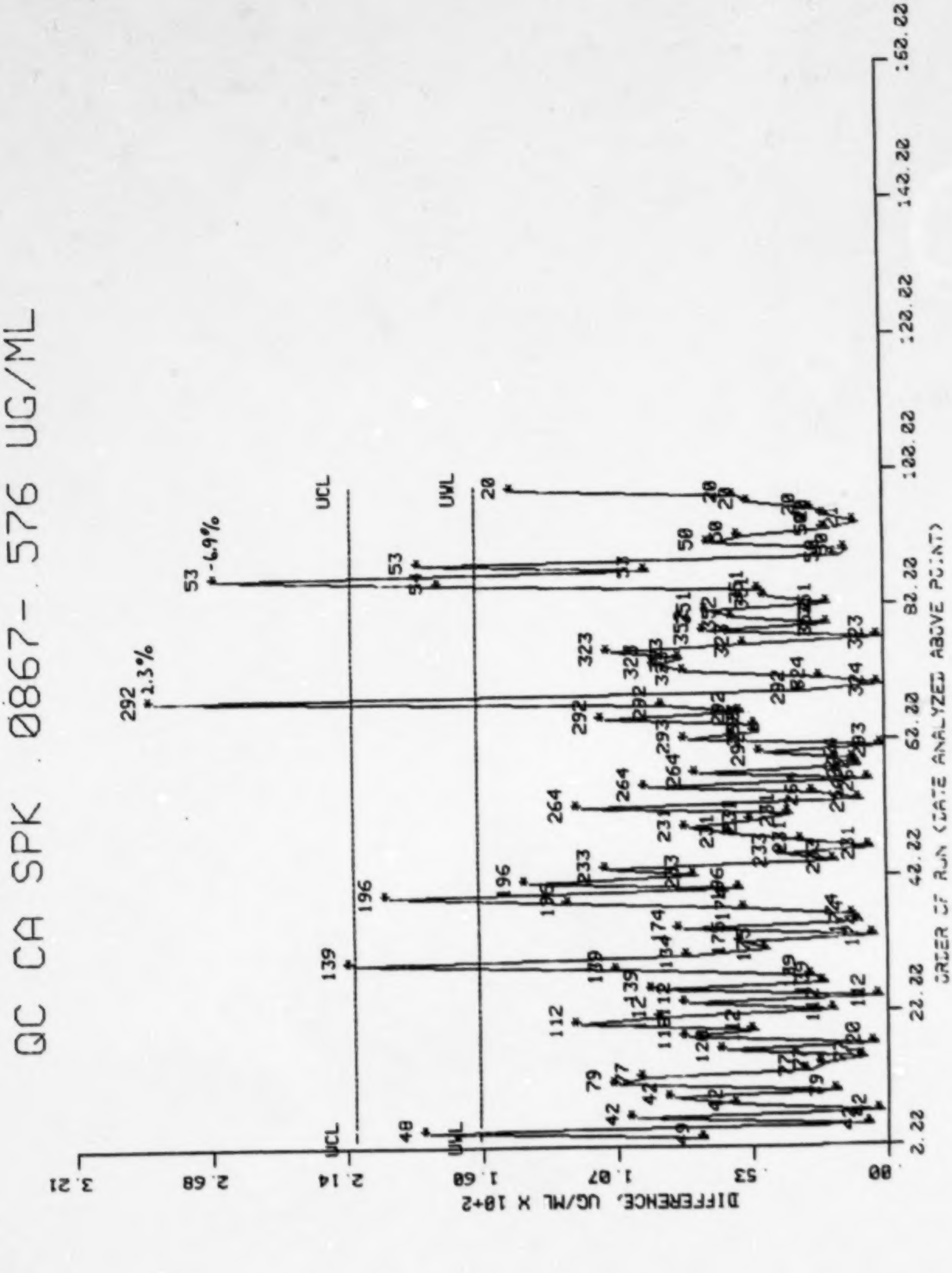


QC CA DUP .576-2.87 UG/ML



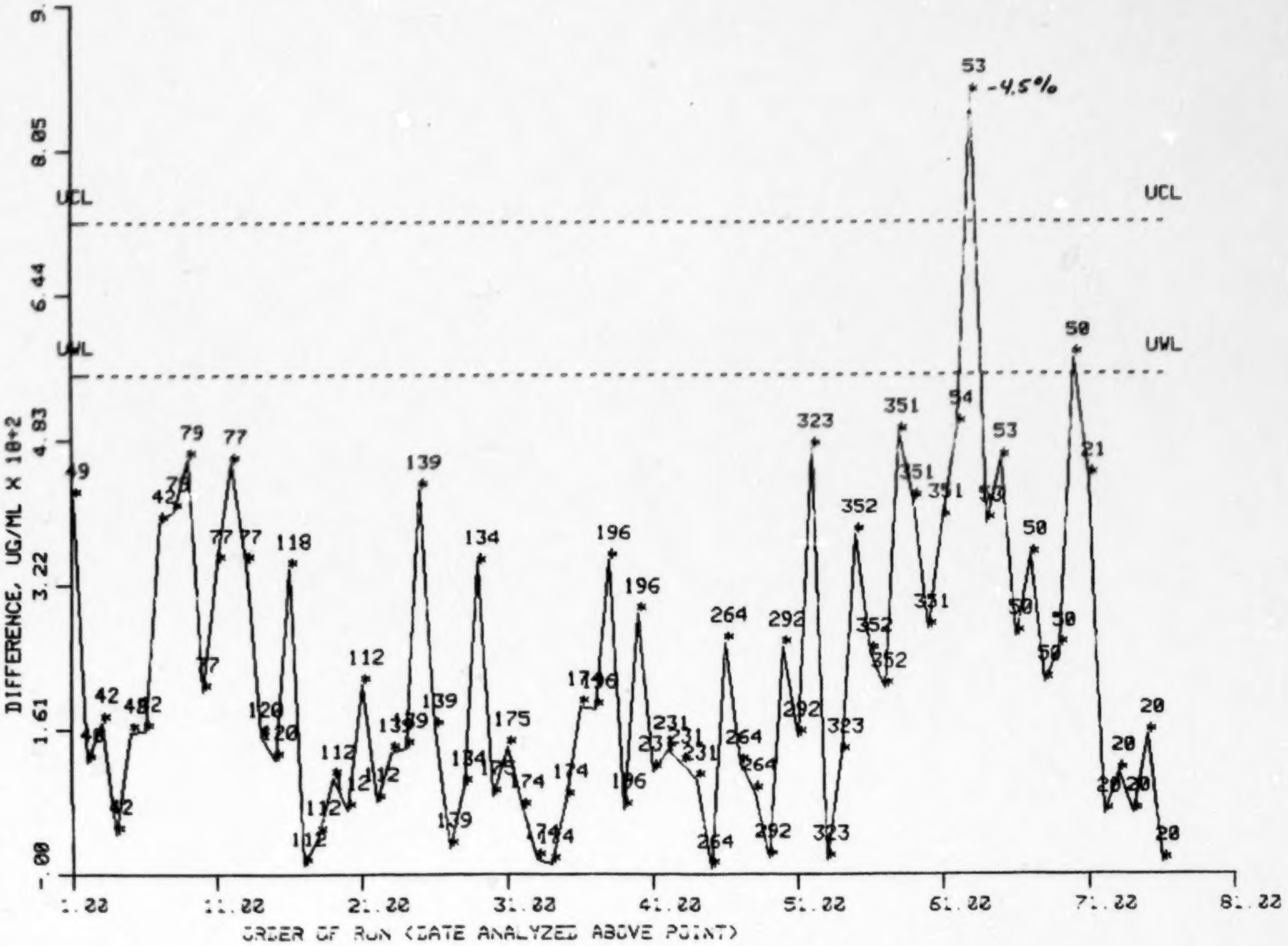


QC CA SPK 0- 0867 UG/ML

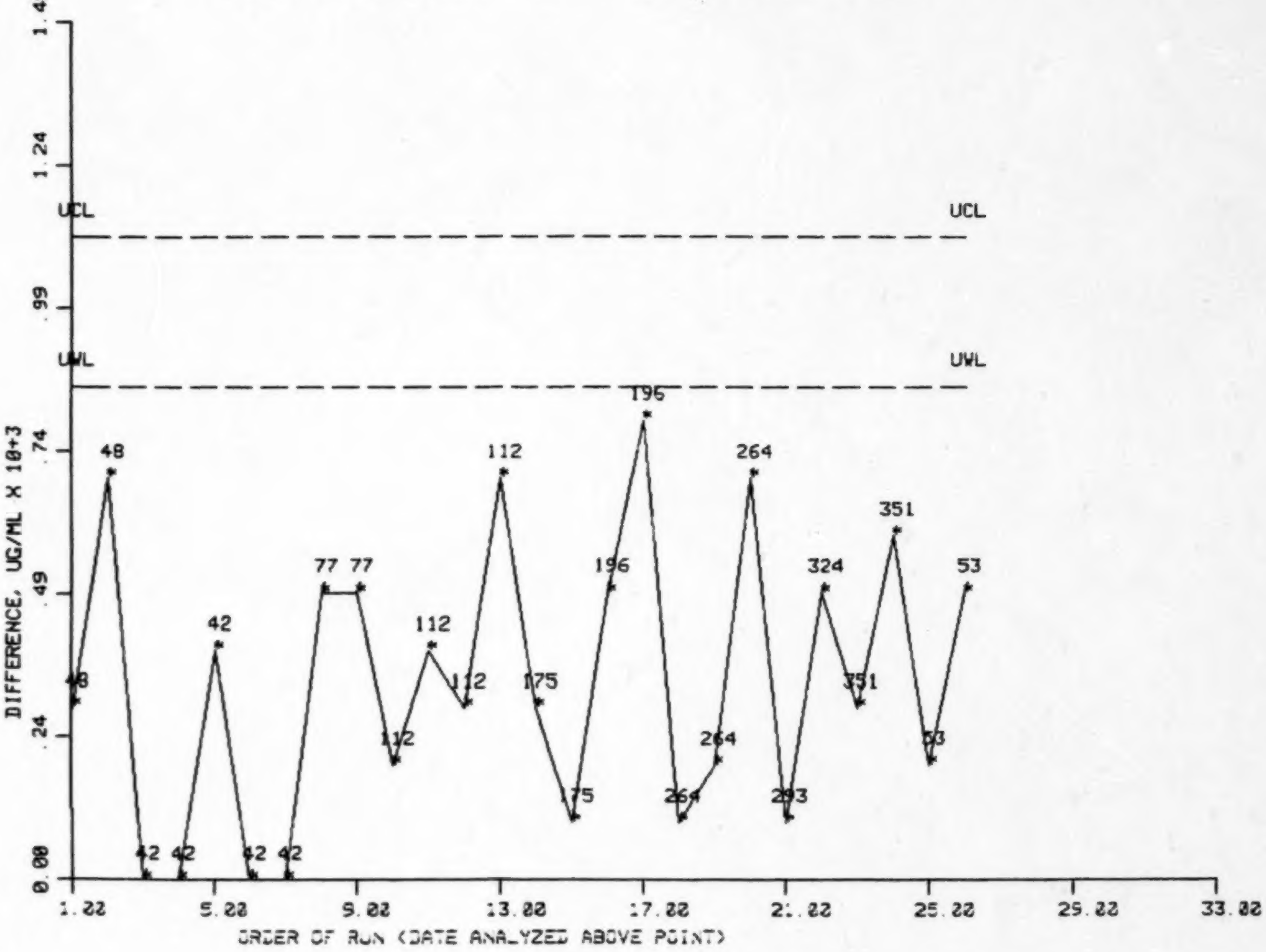


QC CA SPK 0867- 576 UG/ML

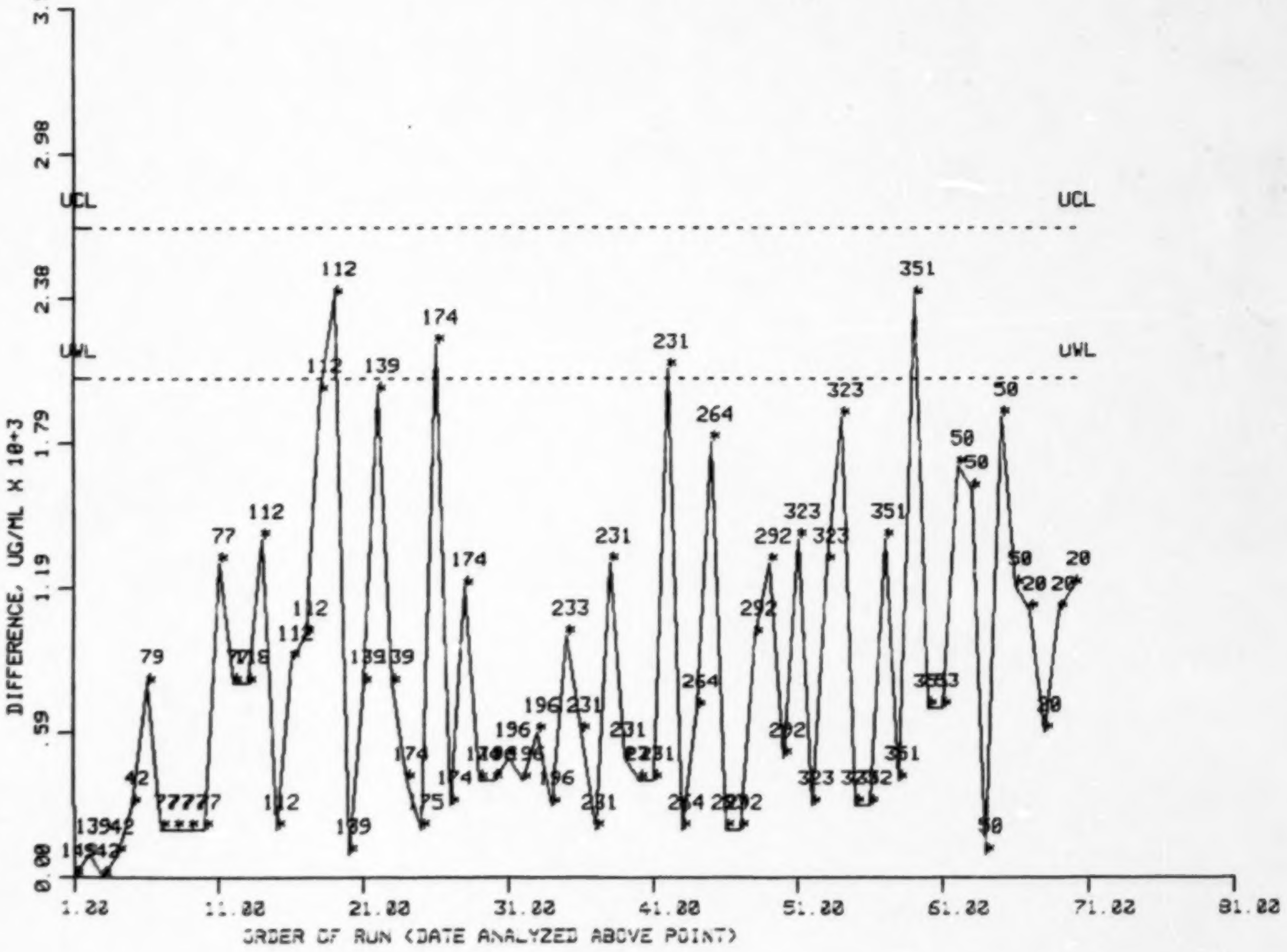
QC CA SPK 576-2 87 UG/ML



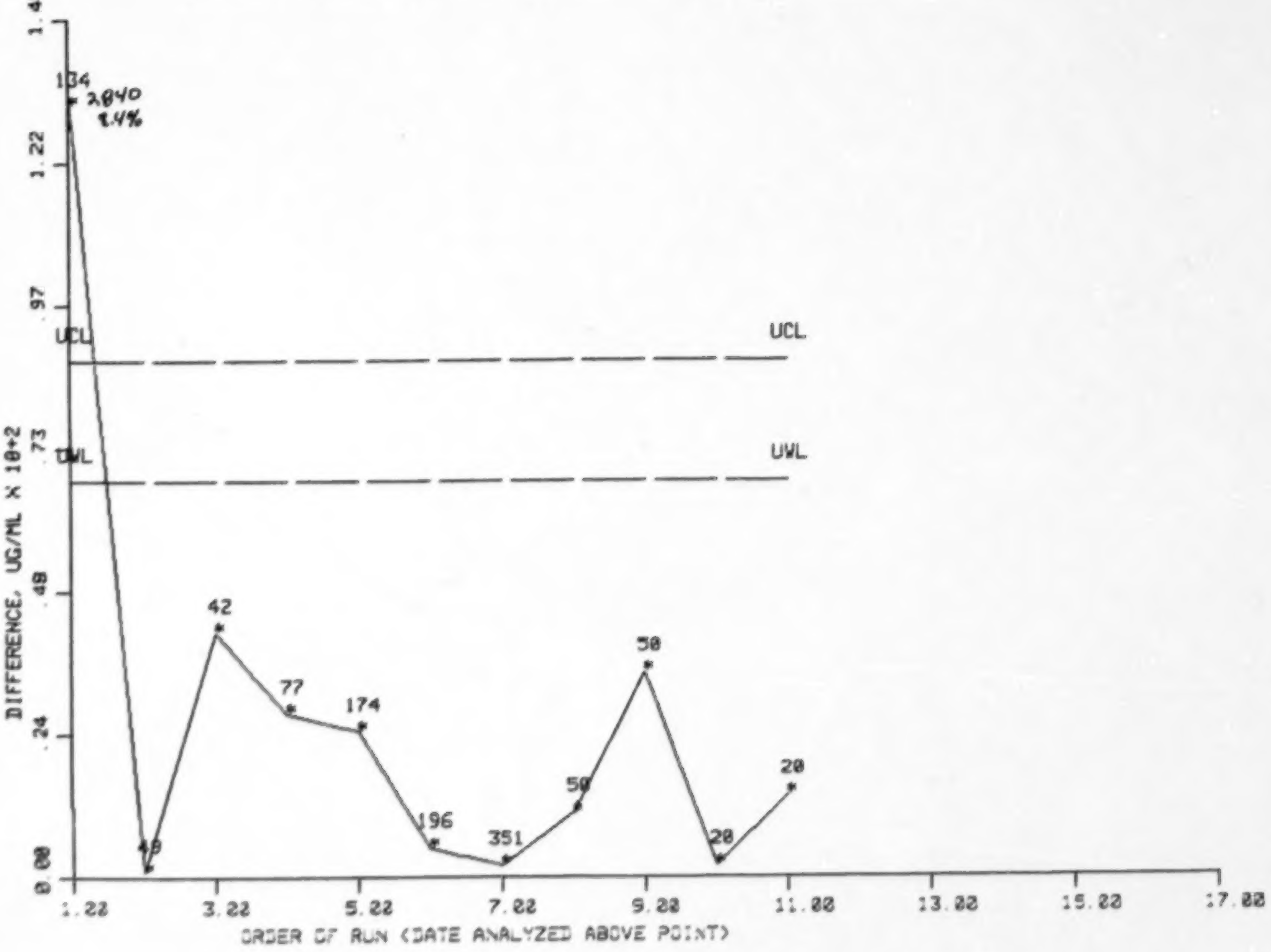
QC MG DUP 0- .0144 UG/ML



QC MG DUP .0144-.096 UG/ML

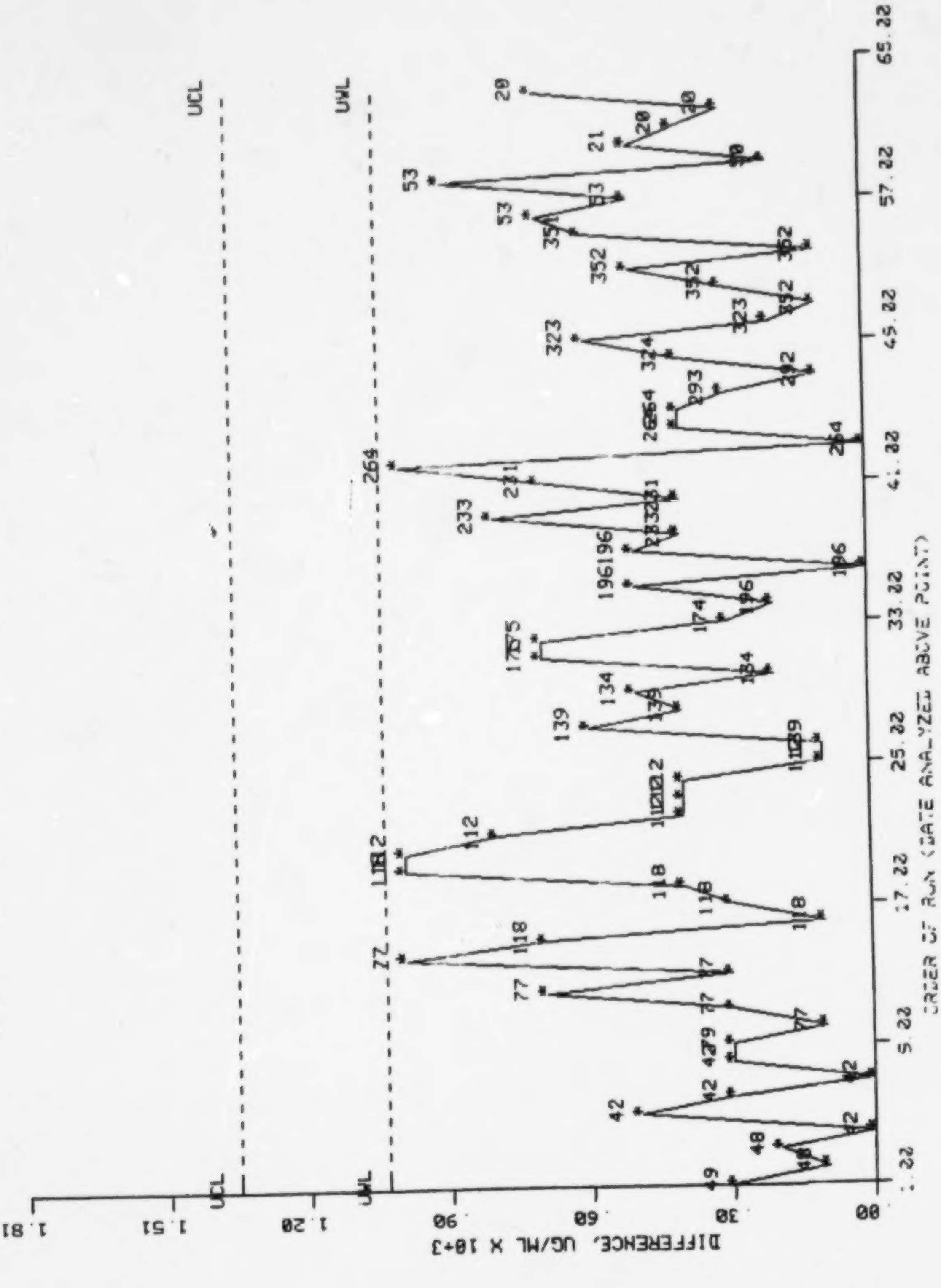


QC MG DUP .096-.478 UG/ML

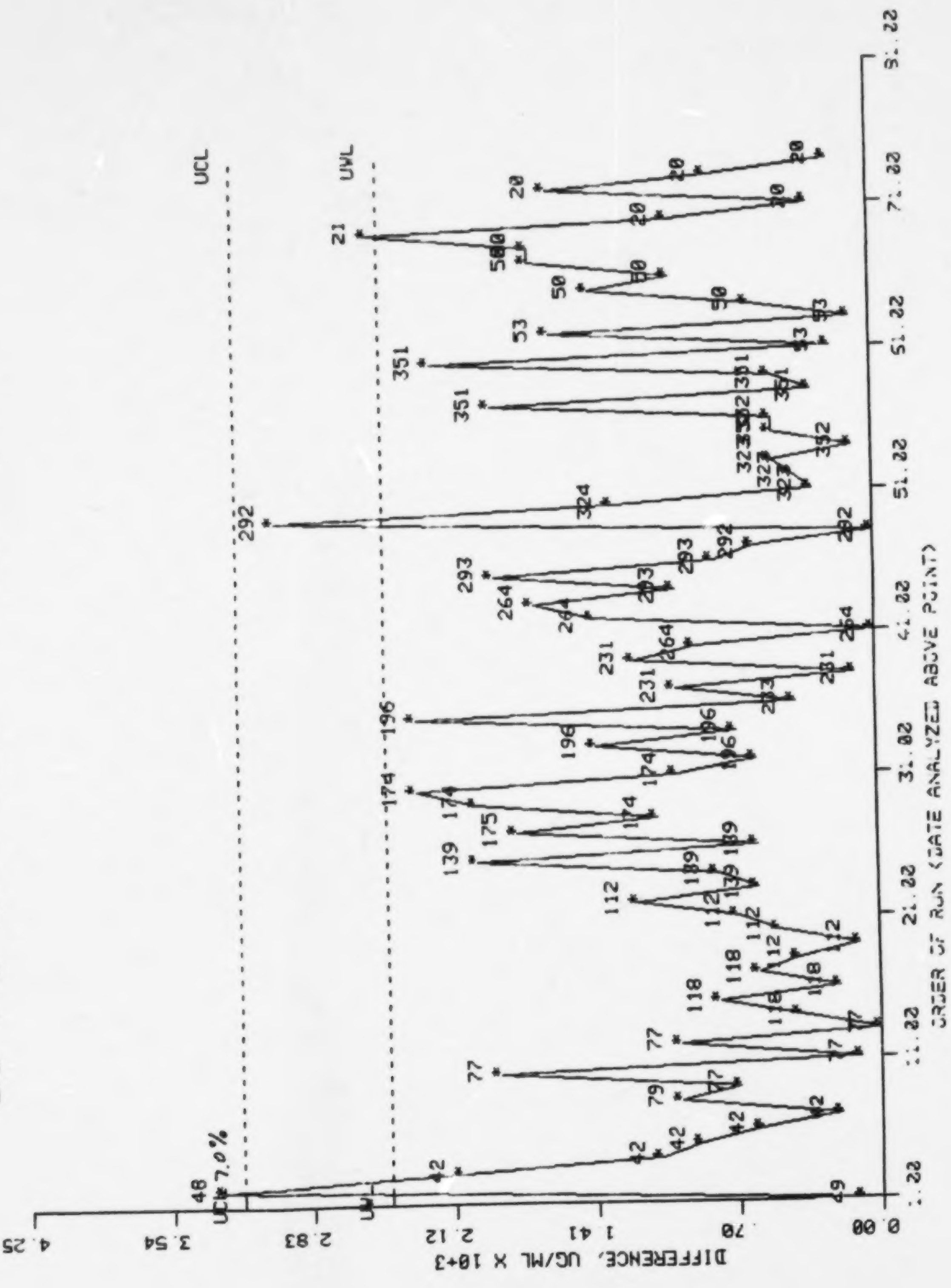


A70

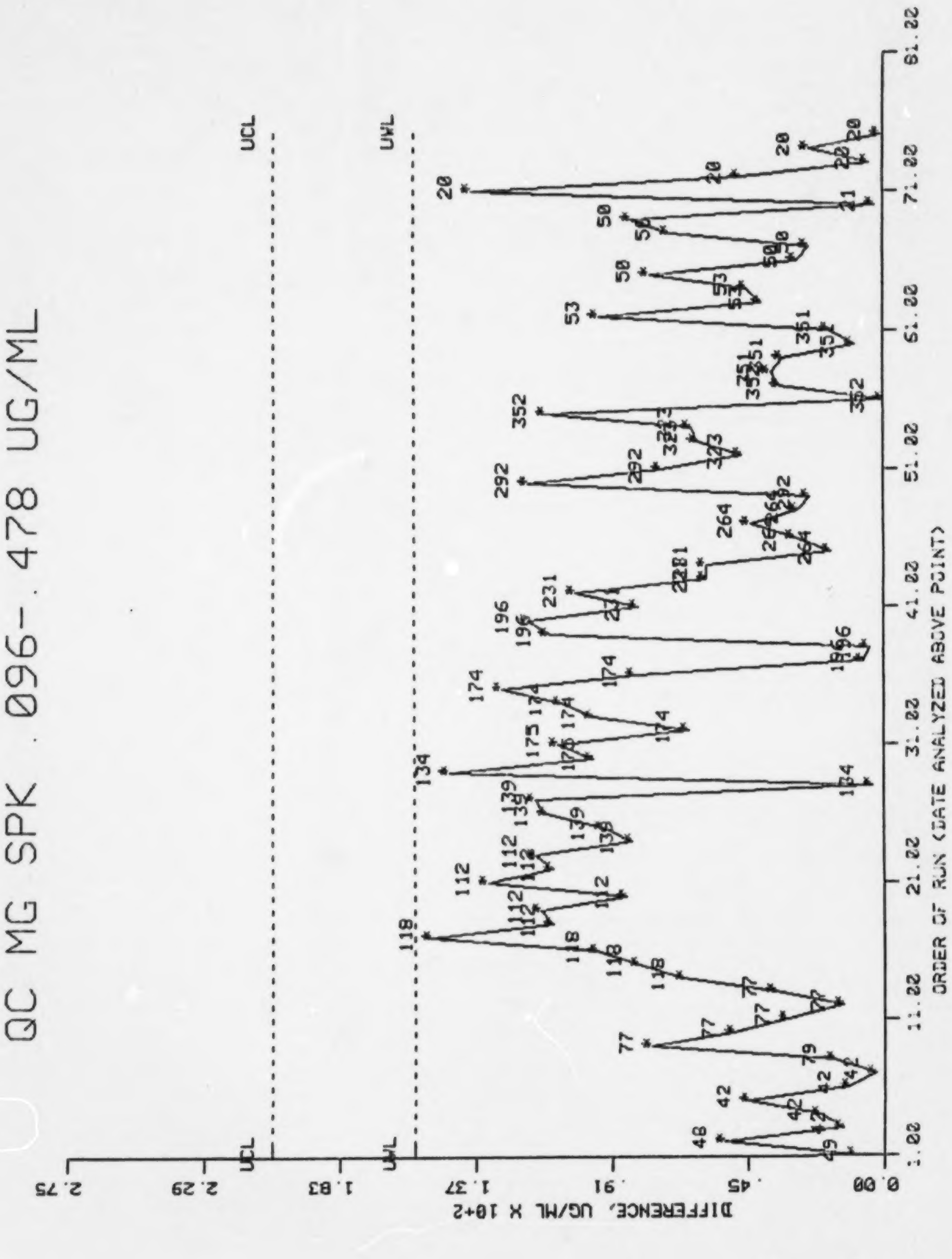
QC MG SPK 0- 0144 UG/ML



QC MG SPK 0144- 096 UG/ML



A72



QC MG SPK 096-.478 UG/ML